

January 8, 2021

Mr. Robert Kondreck Federal On-Scene Coordinator U.S. Environmental Protection Agency, Region 5 77 West Jackson Boulevard Chicago, Illinois 60604-3507

Subject: Removal Site Evaluation Report (Revision 1)

Nelson Knitting Removal Assessment Site Rockford, Winnebago County, Illinois EPA Contract No. 68HE0519D0005 Task Order No.: 68HE0520F0032 Task Order Line Item No.: 0001BI104 Document Tracking No. 0497a

Dear Mr. Kondreck:

Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting the Removal Site Evaluation Report for the Nelson Knitting site for your review and comment. This report summarizes the activities that were conducted at the site on October 8, 2020. If you have any questions regarding this report, please call me at (312) 201-7760.

Sincerely,

Andre Baker Project Manager

and Bu

Enclosure

cc: Chris Burns, Tetra Tech R5 START Program Manager

TO-TOLIN File

REMOVAL SITE EVALUATION REPORT NELSON KNITTING SITE ROCKFORD, WINNEBAGO COUNTY, ILLINOIS REVISION 1

Prepared for

U.S. Environmental Protection Agency

Emergency Response Branch Region 5 77 West Jackson Blvd. (SE-5J) Chicago, Illinois 60604

Submitted by

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EPA Contract No. 68HE0519D0005

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Kevin Scott START QC Reviewer

CONTENTS

Sect	<u>tion</u>	<u>Page</u>
1.0	INTRODUCTION	1
2.0	SITE BACKGROUND	2
3.0	REMOVAL SITE EVALUATION ACTIVITIES	
	3.2.2 ASBESTOS IN AIR SAMPLING	
4.0	ANALYTICAL RESULTS	
	4.1.1 ASH SAMPLE RESULTS	
	4.1.2 SUMP SAMPLE RESULTS	8
	4.1.3 LIGHT BALLAST SAMPLE RESULTS	8
	4.1.4 PAINT SAMPLE RESULTS	9
	4.1.5 ASBESTOS BULK SAMPLE RESULTS	9
	4.1.6 ASBESTOS IN AIR RESULTS	9
5.0	SUMMARY	10
3.S	REFERENCES	12
App	<u>bendices</u>	
A.	Site Figures	
B.	START Field Notes	
C.	Photographic Documentation	
D.	Tables	

Attachments

1. Laboratory Reports

1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked the Tetra Tech, Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) with conducting a removal site evaluation (RSE) at the Nelson Knitting Site (the site) under Task Order (TO) 68HE0520F0032 Task Order Line Item Number (TOLIN) 0001BI104 for EPA Contract number 68HE0519D0005. The overall goals of the RSE were to determine the risks posed to human health and the environment through potential exposure to asbestoscontaining material (ACM) and hazardous waste within a vacant manufacturing building formerly owned and operated by the Nelson Knitting Company and to determine if a removal action by EPA was warranted.

To accomplish these goals, Tetra Tech and the EPA performed the following activities during the RSE:

- Collected suspected bulk ACM to assess potential exposure to workers and trespassers due to material deterioration:
- Collected ambient air samples to assess the potential for asbestos fibers to release into the communities surrounding the site;
- Sampled the liquid and ash material located on-site to assess the potential for a release through the building floor drains and to assess the potential of exposure to workers and trespassers;
- Sampled paint chips to assess the potential impact of deteriorating building debris as well as exposure to workers and trespassers to potentially lead and polychlorinated biphenyl (PCB) containing material;
- Conducted real-time screening for mercury vapors and gamma radiation to assess the potential
 exposure of workers and trespassers to these contaminants inside the building and to evaluate if
 trespassers may have spread this contamination into the surrounding community; and
- Identified other potential hazards for removal, such as a room full of fluorescent light bulbs and miscellaneous intact drums (15-gallons in size, each) filled with liquid labeled Feedwater Oxygen Scavenger and Boiler Water Treatment.

This RSE report describes the site and site background in Section 2.0, summarizes the RSE activities and results in Section 3.0, summarizes key RSE findings in Section 4.0, and includes references in Section 5.0. Figures 1 through 4B are provided in Appendix A; a scanned electronic copy of field notes recorded by START is provided in Appendix B; photographic documentation of site hazards and START sampling activities are provided in Appendix C, and sampling and analytical summary tables are provided in Appendix D. Laboratory reports are provided in Attachment 1.

2.0 SITE BACKGROUND

2.1 SITE LOCATION

The site is located at 909 South Main Street, in Rockford, Illinois. The approximate geographic

coordinates of the facility are 42.263771 degrees north and 89.101911 degrees west, as measured from

the center of the property. The site is located in a mixed-use area of Rockford, Illinois, and is surrounded

by commercial and vacant properties (Appendix A, Figures 1 and 2).

2.2 SITE DESCRIPTION, HISTORY, AND PREVIOUS INVESTIGATIONS

The site, which is approximately two acres in size, contains a three-story manufacturing building that was

formerly owned by the Nelson Knitting Company and operated as a sock knitting mill until approximately

1990. Since 1990, the building has been vacant and is deteriorating.

During a Phase I Environmental Site Assessment (ESA) update prepared by Fehr-Graham & Associates

(FGA) in 2009 for the City of Rockford, suspected ACM was observed on piping, steam pipe elbows, and

boilers within the building. Suspected lead-based paint was present throughout the building as well. Other

materials were also observed in the building, including containers of chemicals, mercury-containing

fluorescent lamps, and suspected PCB-containing fluorescent lamp ballasts and electrical capacitors. The

FGA Phase I ESA also included Sanborn maps from 1950 and 1951 indicated that the building was

constructed of fireproof materials and was expected to contain sheetrock and poured asbestos (FGA 2009).

On June 25, 2020, the City of Rockford determined that the entrance to the site was compromised. An

inspection of the building found that the boilers and other steel products had been removed. Suspected

ACM materials from the boilers and pipes were found discarded in piles on the floor, as well as in garbage

bags and fiber drums. The roof was also observed to be failing in multiple locations.

On June 26, 2020, the City of Rockford condemned and secured the property (City of Rockford 2020) and

on June 29, 2020, contacted the EPA Emergency Response Branch to request assistance with the site.

On September 18, 2020, EPA issued TOLIN 0001BI104 to Tetra Tech to perform an RSE at the site.

3.0 REMOVAL SITE EVALUATION ACTIVITIES

START conducted the RSE at the Nelson Knitting site on October 8, 2020. START personnel were assisted

on-site by EPA On-Scene Coordinator (OSC), Paul Reusch. Before field activities were initiated at the site,

a Sampling and Analysis Plan (SAP) and site-specific Health and Safety Plan (HASP) were developed

Nelson Knitting Removal Assessment Site Site Assessment Report (Rev. 1)

Tetra Tech Inc.

(Tetra Tech 2020a and 2020b). All RSE activities were conducted in accordance with the EPA-approved SAP and HASP. START personnel recorded site activities through written and photographic documentation in the field logbook (Appendix B) and the photolog (Appendix C).

Prior to beginning sample collection tasks, a preliminary visual assessment of the site was performed. Based on observations the site was not secure at the time of the assessment. There was evidence of previous human and animal inhabitants among the site buildings. This includes clothing items and refuse. In addition, there was visual evidence of a fire most likely set for human purposes.

In addition, potential environmental hazards that were present included a room full of fluorescent light bulbs and miscellaneous intact drums (15-gallons) filled with liquid labeled Feedwater Oxygen Scavenger and Boiler Water Treatment. These items will most likely require special attention for disposal purposes.

START and EPA personnel screened the site for mercury and gamma radiation. Tetra Tech and EPA also collected multimedia environmental samples, including ambient air samples, waste samples, samples of potential bulk ACM, and samples of potential lead-based paint. Sampling and analytical summary tables are provided in Appendix D. These sampling and screening activities are summarized below (see Appendix A, Figures 3, 4A, and 4B for approximate sample locations):

- Collected three ambient air samples for a minimum of 120 minutes (high flow [approximately 10 liters per minute]) at locations outside the site-building. These samples were delivered by Tetra Tech to the laboratory for asbestos analysis at Eurofins Test America in University Park, Illinois.
- Collected 8 ambient air samples (high-flow [approximately 10 liters per minute] and low-flow [approximately 3 liters per minute]) in high traffic or heavily damaged areas within the site-building. These samples delivered by Tetra Tech to the laboratory for asbestos analysis at Eurofins Test America in University Park, Illinois.
- Screened all areas of the building that appeared to be structurally sound and any areas immediately
 outside the building where trespassing occurred for mercury vapors using a Lumex RA-915M meter
 (a real-time mercury vapor analyzer) and for gamma radiation using a Ludlum Model 192 detector.
- Collected seven samples of potential bulk ACM (insulation, pipe wrap, etc.) at four locations that have been disturbed by activity in the building. These samples included one duplicate sample for quality assurance/quality control (QA/QC). These samples were delivered by Tetra Tech to the laboratory for friable asbestos analysis at Eurofins Test America in University Park, Illinois.
- Collected one ash sample from the boiler room. This sample was delivered by Tetra Tech to the laboratory for analysis of PCBs and total lead and arsenic at Eurofins Test America in University Park, Illinois.
- Collected one wastewater sample from a floor sump, including one duplicate sample for QA/QC analysis. This sample was delivered by Tetra Tech to the laboratory for analysis of polychlorinated biphenyls (PCB), pH, flammability/combustibility, semi-volatile organic compounds (SVOC), volatile organic compounds (VOC), and total metals at Eurofins Test America in University Park,

Illinois.

• Collected one ballast sample from a light. This sample was delivered by Tetra Tech to the laboratory for PCB analysis at Eurofins Test America in University Park, Illinois.

• Collected two paint chip samples from locations where the paint was peeling. These samples were delivered by Tetra Tech to the laboratory for lead and PCB analysis at Eurofins Test America in University Park, Illinois.

• Photographed the sampling activities, recorded sampling locations, and recorded pertinent notes in the site logbook.

Section 3.0 is divided into two subsections. Section 3.1 discusses screening activities, and Section 3.2 discusses sampling activities.

3.1 MERCURY AND RADIATION SCREENING ACTIVITIES

START performed real-time screening for mercury using a Lumex RA-915M and gamma radiation using a Ludlum Model 192 detector. The screening results are provided in Appendix D, Table D-1. Tetra Tech screened each room by first collecting measurements in the breathing zone. When the measurements were below the levels identified in the HASP, Tetra Tech proceeded with screening the rest of each room. The Lumex and Ludlum were moved across surfaces, in the breathing zone, or in areas suspected to contain contamination. No samples were collected for laboratory analysis as part of the screening.

Mercury vapors were screened in each structurally sound room and at each potential trespasser ingress and egress location. The Lumex mercury vapor analyzer can analyze mercury vapor at concentrations as low as 2 nanograms per cubic meter (ng/m³). START noted a background reading of mercury at 40 nanograms. During the screening, START noted a peak reading of 1,697 ng/m³ (or 1.697 ug/m³) in the boiler room and an average of 600 ng/m³ (or 0.6 ug/m³) near the eyewash station at the bottom of the stairs.

Based on information in the USEPA National Elemental Mercury Response Guidebook (March 2019), the highest recorded reading for mercury at the site was only slightly higher than the "Acceptable level for normal occupancy for the most sensitive persons of 1 ug/m³. All the readings were below the "Normal Occupancy for commercial settings…" of <3.0 ug/m³. Refer to Table D-1 for a summary of the results.

Prior to screening the site structures for radiation, the Ludlum Model 192 detector was used to establish a background level. The Ludlum is a highly sensitive to gamma radiation with a detection range is 0 to 5000 microrems per hour (μ R/hr) and a count rate of 650 cpm/ μ R/hr. The detector was used away from potential radiation interference to establish a background for comparisons to

on site readings. During the background assessment the detector recorded readings between 3 and 5 cpm uR/hr.

Radiation screening was then performed in each structurally sound room of the site.

A summary of the radiation screening assessment is provided on Table D-1. In general, all readings were within the previous established on-site background levels (5 cpm uR/hr) with the exception of one sample. At this location refractory bricks or firebrick located within the boiler were screened and exhibited a gamma radiation level of 10 uR/hr. Although above background levels, these readings are typical among refractory brick that are made up of sandstone, natural stone, gypsum, and granite that contains naturally-occurring radioactive elements like radium, uranium, and thorium. According to the Center for Disease Control and Prevention (CDC), these naturally-occurring elements can break down or decay resulting in elevated radiation readings. However, according the CDC, "the levels of radioactive materials found in building materials are very low. These low levels of radioactive material, and the radiation emitted by them, are unlikely to harm human health". Furthermore, the Specialist of Radiation Protection indicated that typical external background radiation (U.S. Average) is between 6 and 10 cpm uR/hr. Based on these factors further investigation of the firebricks was not undertaken.

3.2 SAMPLING ACTIVITIES

Tetra Tech collected bulk and ambient air samples for asbestos, and paint chips, wastewater, ash, and light ballast samples. The sample locations, descriptions, sample identifications, and laboratory analytical methods are provided in Appendix D, Table D-2, and Table D-3.

3.2.1 SUMPWASTEWATER, ASH, BALLAST, PAINT CHIP, AND BULK ASBESTOS SAMPLING

EPA and START collected one sump (wastewater) sample, one ash sample, one light ballast sample, two paint chip samples, and seven bulk asbestos samples for off-site laboratory analysis. Sample locations and materials (Appendix D) were selected based on the likelihood that trespassers or workers would come in contact with the materials or if the materials could pose an immediate threat to the environment. For example, asbestos samples were collected from loose or fallen pipe wrap; paint samples were collected from areas where peeling paint had fallen to the floor; a sump sample and ash sample were collected in the boiler room where low levels of mercury and radiation were detected, and a light ballast sample was taken

from a leaking light tube. Laboratory analyses selected for each sample were based on the likelihood of the

sample containing detectable chemical concentrations. Therefore, not all samples were analyzed for the

same chemical constituents.

The liquid wastes from the sump were sampled in accordance with Tetra Tech Standard Operating

Procedure (SOP) number (No.) 008-3, "Containerized Liquid, Sludge, and Slurry Sampling" (Tetra Tech

2020c) The water from the sump was analyzed for PCBs, pH, SVOCs, VOCs, flammability/combustibility,

and total metals. Ash samples were collected for PCB and Metals analysis.

The two paint chip samples were collected near the openings of the building where the paint was peeling

off the walls. The paint was collected by pulling on one end to create a chip. One paint chip sample

consisted of enough paint chips to fill a gallon-sized plastic bag. The color and location of the collected

paint chip samples were recorded in the field logbook and on the site figures. The paint chip samples were

placed inside a resealable plastic bag and were submitted for lead and PCB analysis at Eurofins in

University Park, Illinois.

Seven bulk asbestos samples were collected from four areas that had been disturbed by recent activity in

the building. The asbestos samples were collected in Level C personal protective equipment, including full-

face respirators, Tyvek suits, and P100 filter cartridges. Tetra Tech wet samples with amended water before

placing the samples into labeled, resealable plastic bags. Tetra Tech identified specific sampling locations

during the field activities, and the samples were collected from areas with bulk asbestos piles. Asbestos

samples were shipped offsite for analysis of asbestos fibers by EPA Test Method 600/R-93/116. Details on

the location and description of each asbestos sample are provided in the logbook (Appendix C).

Photographs of selected sample locations are provided in Appendix C.

3.2.2 ASBESTOS IN AIR SAMPLING

EPA and START collected a total of eleven ambient air samples for asbestos analysis the following

locations, as noted in Appendix D, Table D-4:

A total of three ambient air samples were collected outside the building at two locations. Two

samples were taken from the west entrance (one high-flow and one low-flow). One high-flow sample was taken from the east access point. These sample locations were chosen due to evidence

of potential trespassing into the building.

A total of eight ambient air samples were collected inside the building. Four low-flow and four high-flow samples were collected near the main floor, the boiler room, the basement, and the main

floor on the south end of the building.

Nelson Knitting Removal Assessment Site

TO-TOLIN 68HE0520F0032-0001BI104

Page 6 of 12

Tetra Tech Inc.

Ambient air samples were collected at two locations outside of the building and at four locations inside the

building. Total air sampling time was a minimum of 120 minutes. Tetra Tech utilized Gillian AirCon 2 air

pumps to collect approximately 1,200 liters of air at an average flow rate of 10 liters per minute (L/min)

for high-volume samples. Tetra Tech utilized GilAir 5 air pumps to collect a minimum of approximately

360 liters of air at an average flow rate of 3 L/min for low-volume samples.

Each outdoor location had a high-flow rate air pump, while each indoor location had both a high-flow rate

air pump and a low-flow rate air pump. Each pump had an attached 25-millimeter (mm)-diameter, 0.8-

micrometer (µm) mixed cellulose ester membrane filter cassette mounted on a 4 to 5 foot tall tripod stand.

The inlet caps of all filter cassettes were removed (such that they were open-faced) during sampling, and

the cassettes were positioned downward. The flow rate of the air sampling train created from this assembly

was measured before and after samples were collected using a Bios DryCal primary flow meter.

The detection limit for these samples was set at 0.0012 fibers per cubic centimeter (f/cc) with a sensitivity

of 0.0004 asbestos structures per cubic centimeter (s/cc). Sampling was conducted in accordance with EPA

Environmental Response Team (ERT) SOP No. 2015, "Asbestos Air Sampling" (ERT 2020)

Samples were analyzed for asbestos by National Institute for Occupational Safety and Health (NIOSH)

Method 7400 through phased contrast microscopy (PCM). Results were compared to a screening level of

0.05 f/cc, which is half the Occupational Safety and Health Administration (OSHA) Permissible Exposure

Limit (PEL) for asbestos of 0.1 f/cc.

Quality control samples for asbestos air sampling included a field blank sample and an equipment blank.

The field blank sample was opened for a quick duration and then closed. The equipment blank was taken

directly from the shipment of laboratory-provided containers and submitted for analysis. Asbestos air

samples were packaged and shipped to Eurofins in University Park, Illinois.

Figure 3, provided in Appendix A, indicates the fixed indoor and outdoor ambient air sampling locations.

Nelson Knitting Removal Assessment Site Site Assessment Report (Rev. 1) December 7, 2020 Tetra Tech Inc. TO-TOLIN 68HE0520F0032-0001BI104

4.0 ANALYTICAL RESULTS

Summaries of analytical results above the applicable action levels are provided in Sections 3.2.1 through

3.2.6. Asbestos bulk, wastewater from the sump, ash, ballast, and paint chip samples with action level

exceedances determined by laboratory analysis are summarized in tables D-4 through D-8 in Appendix D.

Laboratory reports for each sample are provided in Attachment 1. All data were validated by Tetra Tech

chemists and found to be useable. The data validation reports (DVR) were submitted to EPA as separate

deliverables on October 27, 2020, and November 24, 2020.

4.1.1 **ASH SAMPLE RESULTS**

One sample containing ash collected from the boiler room was analyzed by Eurofins for metals by Method

6010C and PCBs by Method 8082A. START chemists validated laboratory results as indicated in the DVR

submitted under document tracking number (DTN) 0523 to the EPA on November 24, 2020. The sample

results are provided in Appendix D, Table D-5.

The sample (NS-WASTE1-100820) contained a lead concentration of 690 milligrams per kilograms

(mg/kg), which is above the EPA Removal Management Level (RML) for residential soil of 400 mg/kg.

No other contaminants were detected above applicable action levels. PCBs were not detected in the ash

sample.

4.1.2 **SUMP SAMPLE RESULTS**

One liquid sample collected from the sump in the boiler room was analyzed by Eurofins for VOCs by

Method 8260B, SVOCs by Method 8270D, PCBs by Method 8082A, metals by Method 6020A, mercury

by Method 7470A, ignitability by Method 1010A, and pH by Method 9040C. START chemists validated

laboratory results as indicated in the DVR submitted under DTN 0523 to the EPA on November 24, 2020.

The sump sample (NS-SUMP-100820) contained a lead concentration of 18.0 ug/L, which exceeds the EPA

RML for Residential tap water of 15 ug/L. The sump water sample results are provided in Appendix D,

Table D-6.

4.1.3 LIGHT BALLAST SAMPLE RESULTS

One sample was analyzed by Eurofins for PCBs by Method 8082A. The sample (NS-Ballast-100820)

contained a PCB-1016 concentration of 1,000 mg/kg, which exceeds the Toxic Substances Control Act

action level of 50 mg/kg. START chemists validated laboratory results as indicated in the DVR submitted

to the EPA on November 24, 2020.

Nelson Knitting Removal Assessment Site Site Assessment Report (Rev. 1)

December 7, 2020

Tetra Tech Inc.

4.1.4 PAINT SAMPLE RESULTS

Two paint chip samples were analyzed by Eurofins for lead by method 6010C and PCBs by Method 8082A. One paint chip sample (NS-Paint-2-100820) contained a lead concentration of 26,000 mg/kg, which exceeds the 5,000 mg/kg action level for lead-based paint hazards. NS-Paint-1-100820 contained 170 mg/kg of lead. PCBs were detected in concentrations under the action level in both samples. Lead concentrations were compared to lead-based paint hazard as defined by 40 Code of Federal Regulation (CFR) Part 745, and PCB concentrations were compared to PCB bulk product waste action level as defined by 40 CFR Part 761. START chemists validated laboratory results as indicated in the DVR submitted under DTN 0523 to the EPA on November 24, 2020. The paint chip sample results are provided in Appendix D, Table D-7.

4.1.5 ASBESTOS BULK SAMPLE RESULTS

Seven bulk asbestos samples were submitted to Eurofins for asbestos analysis by EPA Method 600/R-93/116 PLM. START chemists validated the laboratory results as indicated in the DVR submitted under DTN 0515 to the EPA on October 27, 2020. Three of the bulk asbestos samples were positive for asbestos and considered "friable," meaning that the material is easily turned into powder/dust by only using hand pressure (NS-Bulk-001-20201008, NS-Bulk-002-20201008, and NS-Bulk-003-20201008).

Among the samples collected for bulk asbestos analysis was the pour cement roof of the building. At the time of sampling the roof condition was very poor with a large majority unreachable or fallen completely. As a result, this created a limitation and a 9-pt sampling effort in accordance with NESHAP was not feasible. However, the sampling that was possible indicated no evidence of asbestos in the roof. This sample data varies from information presented in the FGH Phase I ESA dated July 31, 2008 (pg 256-258). In this document Sanborn Maps from 1950 and 1951 indicated that the building has Fireproof Construction. As a result, the Sanborn states to expect materials associated with fireproof construction such as asbestos poured roofing. The Sanborn Map does not state definitively the presence of an asbestos poured roof, only the expectation of one based on construction practices. The Tetra Tech samples collected suggest that asbestos may not be present, however as stated previously the condition of the roof created sampling limitations.

The bulk asbestos sample results and estimated volumes are provided in Appendix D, Table D-8.

4.1.6 ASBESTOS IN AIR RESULTS

Three outdoor and eight indoor ambient air samples were collected and analyzed by Eurofins for asbestos by NIOSH Method 7400 through PCM. START chemists validated the laboratory results as indicated in the DVR submitted under DTN 0515 to the EPA on October 27, 2020.

Asbestos results provided in Appendix D, Table D-4, are provided in fibers per cubic centimeter (f/cc). PCM provides the concentration of asbestos fibers in the air that meet the binning description of fibers that are greater than 5 μ m in length, a width greater than or equal to 0.25 μ m, and an aspect ratio greater than or equal to 3, which OSHA deems hazardous to human health. Therefore, the PCM is the OSHA comparable value. Results have been calculated to assess exposure over an 8-hour working period.

Asbestos was detected in the east access point (high-flow) of the outdoor air samples and both high-and low-flow boiler room samples. However, the detections in both the outdoor sample and the indoor samples did not exceed the OSHA PEL of 0.1 f/cc. A comparison to the most conservative clearance level 0.01 f/cc provided by USEPA in 40 CFR Part 763, Subpart E, *Asbestos in Schools Rule*, indicate that only two sample located in the boiler room slightly exceeded the clearance level (NS-AA-005-20201008 0.012 f/cc and NS-AA-010-20201008 0.016 f/cc). Refer to Table D-4.

5.0 SUMMARY

During the RSE conducted on October 8, 2020, EPA and START personnel collected a total of 23 samples, including one sample containing ash, one liquid sample from the sump, two paint samples, seven bulk asbestos samples, one ballast sample, and eleven air samples for off-site laboratory analysis. The following results were found during assessment activities:

- No readings above the background and/or action level for mercury or gamma radiation were detected in the ambient air of the building during the screening events with the exception of gamma radiation from a refractory brick sample. Although above background levels, these readings are typical among refractory brick that are made up of sandstone, natural stone, gypsum, and granite that contains naturally-occurring radioactive elements like radium, uranium, and thorium. According to the CDC, "the levels of radioactive materials found in building materials are very low. These low levels of radioactive material, and the radiation emitted by them, are unlikely to harm human health. The ash sample contained a lead concentration of 690 mg/kg, which is above the EPA RML of 400 mg/kg.
- The sump sample contained a lead concentration of 18 ug/L, which is above the EPA residential RML of 15 ug/L.
- One paint sample (NS-Paint-2-100820) contained lead concentrations above the 40 CFR Part 745 RML of 26,000 mg/kg. PCBs were detected in both samples but were below the RML of 50 mg/kg.
- Three of the seven bulk asbestos samples were friable and contained either chrysotile or amosite asbestos. The asbestos content in these samples ranged from 50 percent to 70 percent. Estimated volumes of asbestos containing material is presented in Table D-8.
- Asbestos samples from the roof did not contain asbestos. However, a 9-point sampling effort in accordance with NESHAP was not feasible due to roof conditions. This sample data varies from

Sanborn Maps from 1950 and 1951 provided in the Fehr-Graham & Associates Phase I ESA. The Maps indicated that the building has Fireproof Construction and as a result, the expected building materials was an asbestos poured roofing. The Sanborn Map does not state definitively the presence of an asbestos poured roof, only the expectation of one based on construction practices. The Tetra Tech sample collected suggests that asbestos may not be present, however condition of the roof created sampling limitations.

• Fibers matching the characteristics were detected in the boiler room and east access point air samples. However, the samples did not exceed the OSHA PEL and only two samples exceeded the conservative USEPA 40 CFR Part 763, Subpart E, of the Asbestos in Schools Rule.

Based on the observations during the site assessment and the analytical results of the samples containing hazardous material above applicable action levels, START recommends removal of the hazardous materials before the building can be considered safe to enter without PPE. This recommendation is based on evidence of trespassing into the building, which contains dry, friable, and severely compromised asbestos-containing material. Asbestos-containing materials in this compromised state do not need significant disturbance to result in concentrations of asbestos fibers in the air throughout the building to be above the OSHA PEL. Along with the asbestos threat, light ballasts throughout the facility containing high levels of PCB's, Paint in the bathroom is considered lead-based paint, and the sump and ash in the boiler room has levels that warrant removal.

3.S REFERENCES

- City of Rockford. 2020. E-mail "Nelson Knitting 909 S Main St, Rockford, IL" From: Robert Wilhelmi, City of Rockford. To: Ramon Mendoza, EPA. June 29.
- U.S. Environmental Protection Agency (EPA) Environmental Response Team (ERT). 2020. Standard Operating Procedures Asbestos Air Sampling. June 18.
- Fehr-Graham & Associates (FGA). 2009. Phase I Environmental Site Assessment Update and Phase II Environmental Site Assessment, Former Nelson Knitting Mills. July 9.
- Tetra Tech, Inc. (Tetra Tech). 2019. Quality Assurance Project Plan (QAPP), Superfund Technical Assessment and Response Team (START V), Revision 1, U.S. Environmental Protection Agency Region 5, Solicitation No. 68HE0519D005. August.
- Tetra Tech. 2020a. "Abbreviated Sampling and Analysis Plan (SAP) for the Nelson Knitting Site." Prepared for EPA under Contract No. 68-HE-0519-D0005. October 2.
- Tetra Tech. 2020b. Nelson Knitting Site RS Level 2 Health and Safety Plan. Prepared for EPA under Contract No. 68-HE-0519-D0005. September 24.
- Tetra Tech. 2020c. Containerized Liquid, Sludge, and Slurry Sampling. Standard Operating Procedure No. 008, Revision No. 3. August.

APPENDIX A SITE FIGURES

Figure 1 – Site Location

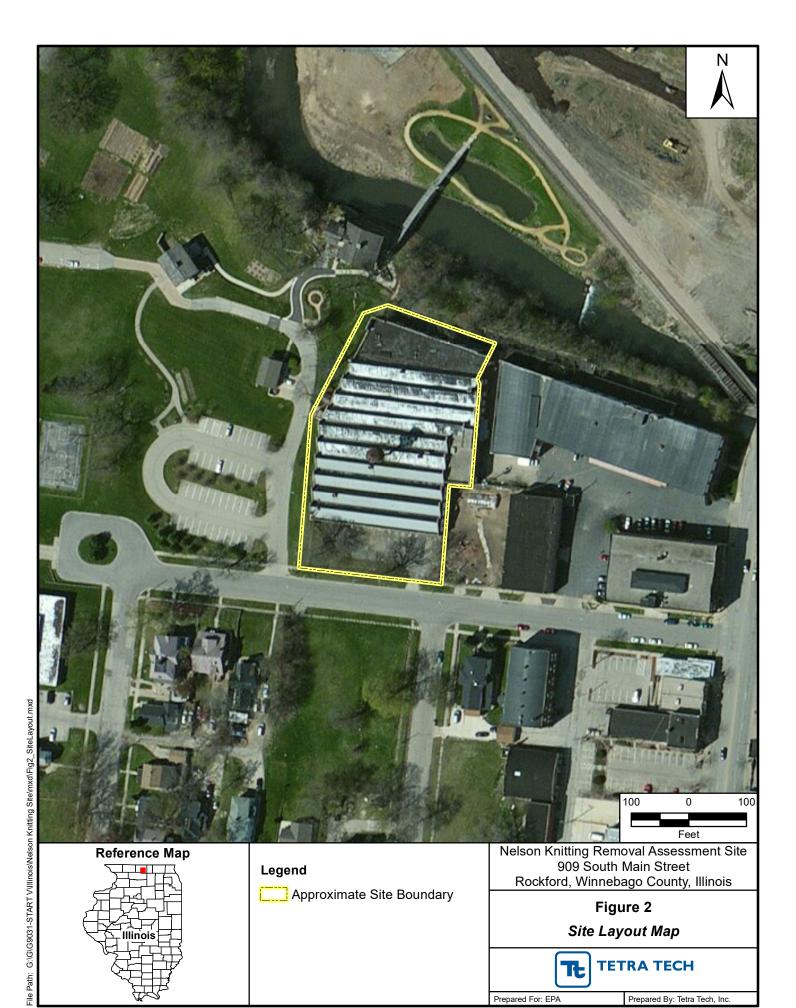
Figure 2- Site Layout

Figure 3 – Asbestos Air Sampling Locations

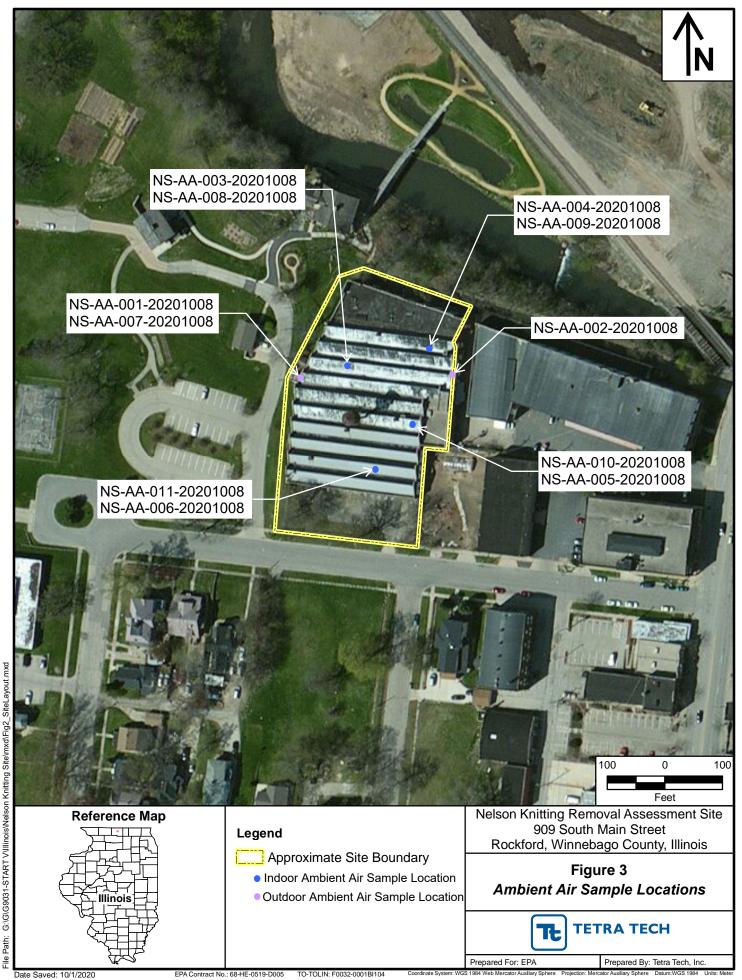
Figure 4A – Main Floor Site Layout/Sample Locations

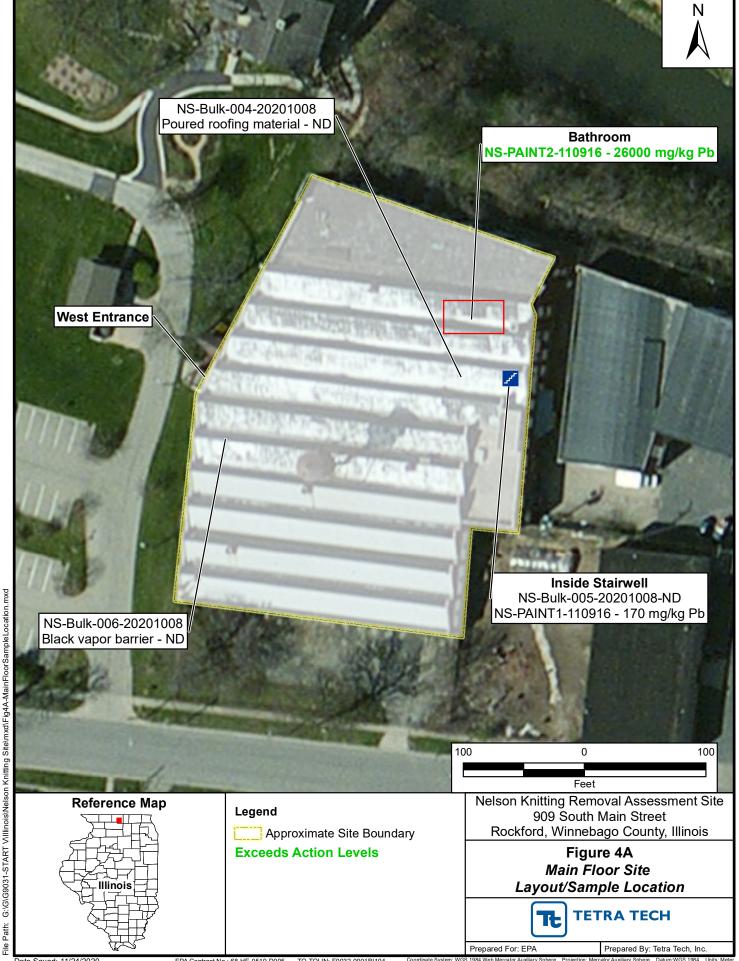
Figure 4B – Basement Site Layout/Sample Locations





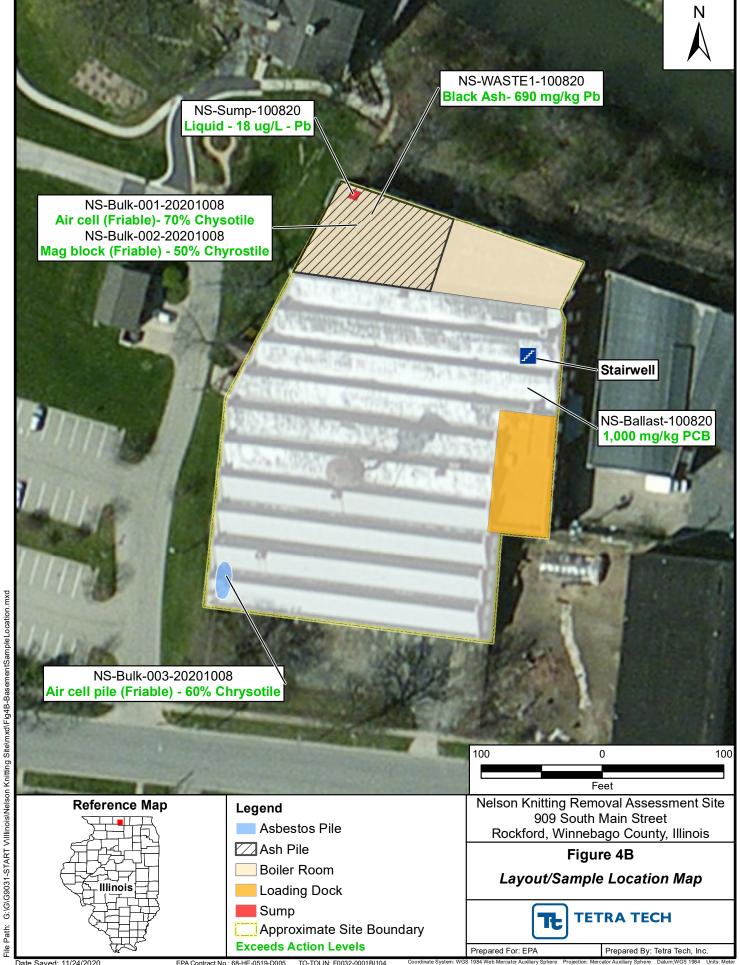
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EPA Contract No.: 68-HE-0519-D005 TO-TOLIN: F0032-0001BI104



Date Saved: 11/24/2020

EPA Contract No.: 68-HE-0519-D005 TO-TOLIN: F0032-0001BI104

APPENDIX B START FIELD NOTES



Name

START FIELD LOGBOOK

Site Name Nelson Knitteng Site RS.
Issue to Andre Bake Logbook Tracking Number —

TO-TOLIN # FEO32 - CLOSIB: 104 Date Issued _



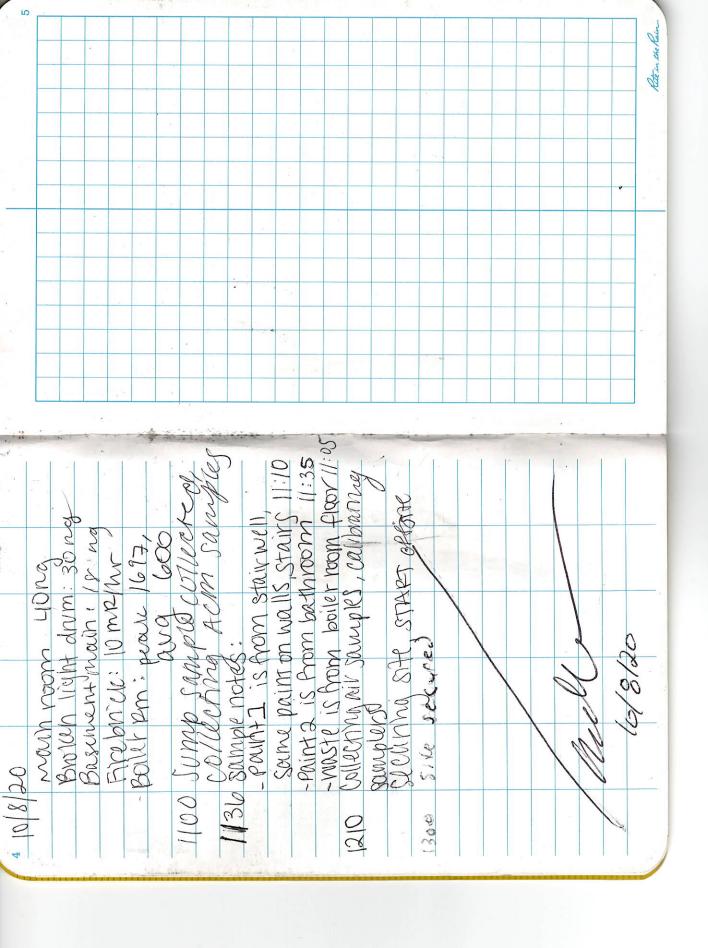


CONTENTS

PAGE	REFERENCE	8 8	DATE
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	AC2 002 - BASEMENT MAIN - PSP 025	and reflect samples
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	05- ACZ ONG. EAST ACCUSS point	0720 Plan is to concluct of walk,
	OS-ALA DOS - WEST EMPRANCE - PSP Day	Side entraine
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APPENDIX C PHOTOGRAPHIC DOCUMENTATION



Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 1

Date: 10/8/2020

Description: Exterior of the former Nelson Knitting

Facility.

Direction: Northeast



Photograph No. 2

Date: 10/8/2020

Description: Example of deterioration on the exterior of the former Nelson Knitting Facility. Access point for illegal trespassing evidence.

Direction: West





Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 3

Date: 10/8/2020

Description: Debris and refuse scattered inside the building on the main floor as evidence of trespassing.

Direction: Southwest



Photograph No. 4

Date: 10/8/2020

Description: Debris and refuse scattered inside the building as evidence of

trespassing.

Direction: South





Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 5

Date: 10/8/2020

Description: Firebrick debris and ash located in the boiler

room.

Direction: North



Photograph No. 6

Date: 10/8/2020

Description: Deteriorated

ceiling insulation.

Direction: West





Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 7

Date: 10/8/2020

Description: Air samples in

the Boiler room NS-AA-010-20201008 NS-AA-005-20201008

Direction: Northeast



Photograph No. 8

Date: 10/8/2020

Description: compromised

ballast sample NS-Ballast-100820.

Direction: West





Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

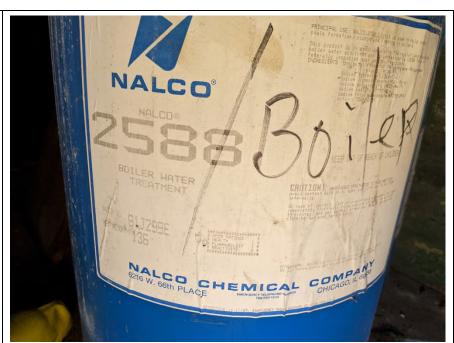
Photograph No. 9

Date: 10/8/2020

Description: 25% full medium sized barrels inside

the building.

Direction: East



Photograph No. 10

Date: 10/8/2020

Description: 25% full medium sized barrels inside

the building

Direction: East





Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 11

Date: 10/8/2020

Description: Area surrounding the former Nelson Knitting Facility.

Direction: Southeast



Photograph No. 12

Date: 10/8/2020

Description: Area surrounding the former Nelson Knitting Facility.

Direction: North





Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 13

Date: 10/8/2020

Description: Bulk asbestos sample 001 taken of an air cell in the boiler room. Facing

south.

Direction: East

Photograph No. 14

Date: 10/8/2020

Description: Bulk asbestos sample 002 taken of a mag block in the boiler room.

Direction: west







Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 15

Date: 10/8/2020

Description: Bulk asbestos sample 003 taken of a destroyed air cell in the basement. Facing south.

Direction: Northwest

Photograph No. 16

Date: 10/8/2020

Description: Bulk asbestos sample 004 taken of poured roofing material on the main

floor.

Direction: East





Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 17

Date: 10/8/2020

Description: Bulk asbestos sample 005 taken of the plaster stairwell in the

stairwell. east.

Direction: East



Date: 10/8/2020

Description: Bulk asbestos sample 006 taken of the floor

in the main area.

Direction: West







Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 19

Date: 10/8/2020

Description: Bulk asbestos sample 007 taken in the boiler room. south.

Direction: South



Photograph No. 20

Date: 10/8/2020

Description: Air samples in

the Boiler room NS-AA-010-20201008 NS-AA-005-20201008

Direction: Northeast





Client: U.S. EPA

Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

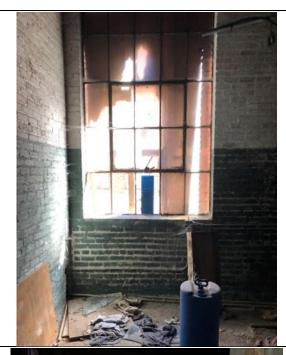
Date: 10/8/2020

Photograph No. 21

Date: 10/8/2020

Description: Outdoor air sample NS-AA-002-20201008

Direction: East



Photograph No. 22

Date: 10/8/2020

Description: indoor air

samples

NS-AA-004-20201008 NS-AA-009-20201008

Direction: Northwest





Client: U.S. EPA

Site Name: Nelson Knitting Site RS

Location: Rockford, Winnebago County, Illinois

Photographic Documentation

Prepared by: Caeli Cleary TO-TOLIN: F0032-0001BI104

Date: 10/8/2020

Photograph No. 23

Date: 10/8/2020

Description: Indoor

Air sample

NS-AA-003-20201008 NS-AA-008-20201008

Direction: Northeast



Photograph No. 24

Date: 10/8/2020

Description: Evidence of fire due to trespassing on the

main floor.

Direction: South



APPENDIX D TABLES

Table D-1 Mercury and Radiation Screening Results Nelson Knitting Site Rockford, Winnebago County, Illinois

		Mercury (μg/m³)	Gamma (µR/hr)				
Location			² Normal Occupancy for commercial setting < 3.0 μg/m ³				
Entryway		0.014			5.0		
Room with bulbs		0.038			5.0		
Main room		0.04			5.0		
Broken light drum		0.03			5.0		
Basement Main		0.018			5.0		
Firebrick		N/A			10 4		
Boiler Room	average 0.60 peak of 1.697			5.0			

Notes:

¹ USEPA National Elemental Mercury Response Guidebook (March 2019), "Acceptable level for normal occupancy for the most sensitive persons".

² USEPA National Elemental Mercury Response Guidebook (March 2019), "Normal Occupancy for commercial settings... of <3.0 ug/m3".

³ Specialist of Radiation Protection - Typical external background radiation (U.S. Average).

⁴ Center for Disease Control and Prevention (CDC), Firebrick typically exhibit elevated radiation readings. These low levels are unlikely to harm human health. μg/m3 - micrograms per cubic meter

Table D-2 Non-Bulk Asbestos Sample Locations Nelson Knitting Site Rockford, Winnebago County, Illinois

Sample ID	Location	Description	Laboratory Analysis
NS-Sump-100820 Boiler Room NS-Waste-110916 Boiler Room		Accumulated water in sump located in the boiler room	PCBs, Metals, SVOCs, VOCs, pH
		Black ash dust on the floor of the boiler room	TAL metals and PCB
NS-Paint-1-100820	Interior Stairwell	Green paint with beige backing	Lead, PCBs
		White paint with beige backing	Lead, PCBs
		Light fixture ballast	PCBs

Notes:

PCBs = Polychlorinated Biphenyls

TAL = Target Analyte List

SVOCs = Semi-Volatile Organic Compounds

VOCs = Volatile Organic Compounds

NS = Nelson Knitting Site

Table D-3 Asbestos Sample Locations Nelson Knitting Site

Rockford, Winnebago County, Illinois

Sample ID ¹	Location ²	Description	Laboratory Analysis
NS-Bulk-001-20201008	Boiler room basement air cell Friable	Air cell pipe insulation located in the boiler room and throughout the building	PLM EPA 600/R-93/116 PLM
NS-Bulk-002-20201008	Boil room mag block Friable	Mag block insulation located in the boiler room	PLM EPA 600/R-93/116 PLM
NS-Bulk-003-20201008	Basement air cell pile Friable	Cell pile pipe insulation located in the basement and throughout the building	PLM EPA 600/R-93/116 PLM
NS-Bulk-004-20201008	Poured roofing material	Poured roofing located throughout the building	PLM EPA 600/R-93/116 PLM
NS-Bulk-005-20201008	Plaster stairwell	Plaster located throughout the building	PLM EPA 600/R-93/116 PLM
NS-Bulk-006-20201008	Black vapor barrier	Black vapor located throughout the building on the main floor under the wood flooring	PLM EPA 600/R-93/116 PLM
NS-Bulk-007-20201008	Firebrick	Yellow firebrick located in the boiler room	PLM EPA 600/R-93/116 PLM

Notes:

- 1 = multiple analysis were performed on one sample due to the presence of different materials
- 2 = Generalized locations

PLM = Polarized Light Miscroscopy

Friable - Defined by the Asbestos NESHAP as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure

Table D-4 Asbestos Air Sampling Result Summary Nelson Knitting Site Rockford, Winnebago County, Illinois

					Fibers Detected/cc		
Sample Number	Location	Volume (Liters)	Fibers Detected	Fibers/mm ²	¹ OSHA PEL (8-Hour) 0.1 f/cc	² Asbestos in Schools Rule 0.01 f/cc	
NS-AA-001-20201008	West entrance (HF)	2,216	<5.5	<7.0	< 0.001		
NS-AA-002-20201008	East access point (HF)	2,620.95	6.0	7.64	(0.001	
NS-AA-003-20201008	Main floor (HF)	1280.94	<5.5	<7.0	< 0.002		
NS-AA-004-20201008	Basement main floor (HF)	1404.25	<5.5	<7.0	<	0.002	
NS-AA-005-20201008	Boiler (HF)	1,318.10	32	40.76	(0.012	
NS-AA-006-20201008	Main floor south (HF)	1,455.10	<5.5	<7.0	<0.002 <0.004		
NS-AA-007-20201008	West entrance (LF)	705.6	<5.5	<7.0			
NS-AA-008-20201008	Main floor (LF)	676.36	<5.5	<7.0	<	0.004	
NS-AA-009-20201008	Basement main floor (LF)	601.87	<5.5	<7.0	<	0.004	
NS-AA-010-20201008	Boiler (LF)	598.5	19.5	24.84	(0.016	
NS-AA-011-20201008	Main floor south (LF)	724.2	<5.5	<7.0	<	0.004	
NS-AA-012-20201008	Field blank	0.0	<5.5	<7.0		0.0	

Notes:

Less than
 cc cubic centimeter
 mm² millimeters squared
 HF High flow

LF High flow Low flow

¹ OSHA Permissible Exposure Limit (PEL) for asbestos is 0.1 fiber per cubic centimeter of air as an eight-hour time-weighted average (TWA)

² USEPA 40 CFR Part 763, Subpart E, Asbestos in Schools Rule.

Table D-5 Summary of Detected Ash Waste Sample Analytes Nelson Knitting Site Rockford, Winnebago County, Illinois

Analyte	Analyte Action Level ¹		NS-WASTE1-100820		
Metals					
Arsenic	67	mg/kg	7 J		
Lead	400	mg/kg	690 J		

Notes

Green highlighted cells indicate detection above action level

 ${\rm J}\,$ - The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

¹ - EPA Removal Management Level (RML) for Residential Soil with Hazard Quotient of 3 and Target Cancer Risk of 10E-04 used as action level.

Table D-6 Summary of Detected Sump Water Sample Analytes Nelson Knitting Site Rockford, Winnebago County, Illinois

Analyte	Action Level ¹	Units	NS-Sump-100820
Physical Chemistry			
pH	≤ 2 or ≥ 12.5	S.U.	7.4
Flashpoint	99	degrees	>174
Metals			
Aluminum	6,000	ug/L	97 J
Antimony	23	ug/L	2.5 J
Arsenic	5	ug/L	1.4 J
Barium	11,000	ug/L	38 J
Cadmium	28	ug/L	0.38 J+
Calcium	NA	ug/L	18,000 J
Copper	2,400	ug/L	130 J
Iron	42,000	ug/L	360 J
Lead	15	ug/L	18 Ј
Magnesium	NA	ug/L	10,000 J
Manganese	1,300	ug/L	290 J
Mercury	1.9	ug/L	ND J
Nickel	9	ug/L	3.7 J
Potassium	NA	ug/L	3,300 J+
Selenium	300	ug/L	2.5 U
Silver	280	ug/L	0.5 U
Sodium	4,000	ug/L	6,900 J
Vanadium	260	ug/L	9.1 J
Zinc	18,000	ug/L	100 J
Polychlorinated Biphenyls (PCBs	s)	·	
No dectections			
Volatile Organic Compounds (Vo	OCs)		
Acetone*	42,000	ug/L	8.2
Semi-Volatile Organic Compoun-	ds (SVOCs)		
No detections	, ,		

Notes

Green highlighted cells indicate detection above action level

- 1 = Physical Chemistry Action Level are based on 40 CFR 261; Metals, VOCs, and SVOCs based on EPA RML for Residential Tapwater (HQ = 3, Ca = 10⁻⁴) Ca = Cancer risk for carcinogens
- HQ = Hazard Quotient for Non-carcinogens
- $\label{eq:J-main} J = The \ analyte \ was \ positively \ identified; \ the \ associated \ value \ is \ the \ approximate \ concentration \ of \ the \ analyte \ in \ the \ sample.$
- J+ = The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
- NL = Not listed
- U = The analyte was analyzed for, but was not detected at or above the associated value (reporting limit)
- ug/L = micrograms per liter
- UJ = The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.
- RML = Removal Management Levels
- * Acetone was the only detectable VOC present and is a common laboratory contaminant.

Table D-7 Summary of Detected Paint Chip Sample Analytes Nelson Knitting Site Rockford, Winnebago County, Illinois

			Sample ID					
Analyte	Action Level ¹ (mg/kg)	Units	NS-PAINT1- 100820	NS-PAINT2- 100820	NS-Ballast- 100820			
Metals								
Lead	5,000	mg/kg	170 J	26,000 J	NA			
Polychlorinated Biphenyls (PCBs)								
Total PCBs ²	50	mg/kg	0.380	0.950	1,000			

Notes

Green highlighted cells indicate detection above action level

- Lead action level based on lead-based paint hazard as defined by 40 CFR Part 745; PCBs action level based on PCB bulk product wa
- ² Total PCBs is the sum of all positive detected Aroclors
- $\label{eq:J-mg-law} \begin{tabular}{ll} J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample. \\ mg/kg milligram per kilogram \end{tabular}$

NA - Not applicable

Table D-8

Asbestos Bulk Sampling Analytical Results EPA Method 600/R-93/116 Polarized Light Microscopy (PLM) Nelson Knitting Site Rockford, Winnebago County, Illinois

Sample Number (Components) ¹	Description	Asbestos Concentration	Estimated Volume
NS-Bulk-001-20201008	Boiler room basement air cell friable	70% Chrysotile	200 LF
NS-Bulk-002-20201008	Boiler room mag block friable	50% Chrysotile	50 SF
NS-Bulk-003-20201008	Basement air cell pile friable	60% Chrysotile	300 LF
NS-Bulk-004-20201008	Poured roofing material	ND	NA
NS-Bulk-005-20201008	Plaster stairwell	ND	NA
NS-Bulk-006-20201008	Black vapor barrier	ND	NA
NS-Bulk-007-20201008	Fire brick	ND	NA

Notes:

¹-Friable - Defined by the Asbestos NESHAP as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure

LF - Linear Feet

NA - Not Applicable

ND- Non-Detect

SF- Square Feet

ATTACHMENT 1 LABORATORY REPORTS

Eurofins TestAmerica Report No. 500-189062-1

Eurofins TestAmerica Report No. 500-189063-1

Eurofins TestAmerica Report No. 500-189383-1

Eurofins TestAmerica Report No. 500-189474-1



Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago 2417 Bond Street University Park, IL 60484 Tel: (708)534-5200

Laboratory Job ID: 500-189062-1 Client Project/Site: Nelson Knitting

For:

Tetra Tech EM Inc. 1 South Wacker Drive 37 Floor Ste. 3700 Chicago, Illinois 60606

Attn: Andre Baker

Authorized for release by: 10/22/2020 3:52:20 PM

Jim Knapp, Project Manager II (630)758-0262

Jim.Knapp@Eurofinset.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.eurofinsus.com/Env The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting Laboratory Job ID: 500-189062-1

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	11
QC Association	12
Surrogate Summary	13
QC Sample Results	14
Chronicle	15
Certification Summary	16
Chain of Custody	17
Receipt Checklists	18

Case Narrative

Client: Tetra Tech EM Inc.

Job ID: 500-189062-1

Project/Site: Nelson Knitting

Job ID: 500-189062-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-189062-1

Comments

No additional comments.

Receipt

The samples were received on 10/8/2020 4:47 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 11.4° C.

GC Semi VOA

Method 8082A: The following sample required a dilution due to the nature of the sample matrix: NS-Ballast-100820 (500-189062-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8082A: DCB Decachlorobiphenyl Surrogate recovery for the following sample was outside control limits: NS-Paint 2-100820 (500-189062-2). Tetrachloro-m-xylene Surrogate was within the control limits; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: The following sample(s) contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB- 1016: NS-Ballast-100820 (500-189062-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The following sample was diluted due to the abundance of non-target analytes: NS-Waste-100820 (500-189062-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Tetra Tech EM Inc.

Job ID: 500-189062-1

Project/Site: Nelson Knitting

1 Toject/Oile. Nelson Killtin	19				
Client Sample ID: NS-Ballast-100820 Lab Sample ID: 500-1890					00-189062-1
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Prep Type

Analyte	Result Qualifier	KL	MDL	Unit	Dil Fac	D Method	Prep Type
PCB-1016	1000	250	87	mg/Kg	1000	8082A	Total/NA
Client Sample ID: NS-Pain						00-189062-2	

·								
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
PCB-1262	0.95		0.23	0.047	mg/Kg	1	8082A	Total/NA
I						_		

,		 		•		_		
PCB-1262	0.95	0.23	0.047	mg/Kg		ī —	8082A	Total/NA
Lead	26000	2.2	1.0	mg/Kg	Ę	5	6010C	Total/NA
Client Sample ID: NS-Pain	t 1-100820				Lab S	an	ple ID:	500-189062-3

Analyte	Result Qualifier	RL	MDL Un	it	Dil Fac	D Method	Prep Type
PCB-1262	0.38	0.049	0.010 mg	/Kg	1	8082A	Total/NA
Lead	170	0.43	0.20 mg	/Ka	1	6010C	Total/NA

Client Sample ID: NS-Waste-100820 Lab Sample ID: 500-18906										500-189062-4
	Analyte		Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
	Lead	690		2.2	1.0	mg/Kg	5		6010C	Total/NA

0.89

0.30 mg/Kg

6010C

7.0

Arsenic

13

Total/NA

16

Method Summary

Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting Job ID: 500-189062-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6010C	Metals (ICP)	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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Sample Summary

Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting Job ID: 500-189062-1

d	Asset ID		
6:47			
6:47			

Lab Sample ID **Client Sample ID** Matrix Collected Received 500-189062-1 NS-Ballast-100820 Solid 10/08/20 14:15 10/08/20 16 500-189062-2 NS-Paint 2-100820 Solid 10/08/20 11:35 10/08/20 16 500-189062-3 NS-Paint 1-100820 Solid 10/08/20 11:10 10/08/20 16:47 500-189062-4 NS-Waste-100820 Solid 10/08/20 11:05 10/08/20 16:47

Client: Tetra Tech EM Inc. Job ID: 500-189062-1

Project/Site: Nelson Knitting

Client Sample ID: NS-Ballast-100820

Lab Sample ID: 500-189062-1 Date Collected: 10/08/20 14:15 **Matrix: Solid**

Date Received: 10/08/20 16:47

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	1000		250	87	mg/Kg		10/20/20 16:54	10/21/20 10:03	1000
PCB-1221	250	U	250	110	mg/Kg		10/20/20 16:54	10/21/20 10:03	1000
PCB-1232	250	U	250	110	mg/Kg		10/20/20 16:54	10/21/20 10:03	1000
PCB-1242	250	U	250	81	mg/Kg		10/20/20 16:54	10/21/20 10:03	1000
PCB-1248	250	U	250	97	mg/Kg		10/20/20 16:54	10/21/20 10:03	1000
PCB-1254	250	U	250	53	mg/Kg		10/20/20 16:54	10/21/20 10:03	1000
PCB-1260	250	U	250	120	mg/Kg		10/20/20 16:54	10/21/20 10:03	1000
PCB-1262	250	U	250	51	mg/Kg		10/20/20 16:54	10/21/20 10:03	1000
PCB-1268	250	U	250	47	mg/Kg		10/20/20 16:54	10/21/20 10:03	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	D	49 - 129				10/20/20 16:54	10/21/20 10:03	1000
DCB Decachlorobiphenyl	0	D	37 - 121				10/20/20 16:54	10/21/20 10:03	1000

Client: Tetra Tech EM Inc. Job ID: 500-189062-1

Project/Site: Nelson Knitting

Client Sample ID: NS-Paint 2-100820

Lab Sample ID: 500-189062-2 Date Collected: 10/08/20 11:35 Matrix: Solid

Date Received: 10/08/20 16:47

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.080	mg/Kg		10/20/20 16:54	10/21/20 10:34	1
PCB-1221	0.23	U	0.23	0.099	mg/Kg		10/20/20 16:54	10/21/20 10:34	1
PCB-1232	0.23	U	0.23	0.098	mg/Kg		10/20/20 16:54	10/21/20 10:34	1
PCB-1242	0.23	U	0.23	0.074	mg/Kg		10/20/20 16:54	10/21/20 10:34	1
PCB-1248	0.23	U	0.23	0.089	mg/Kg		10/20/20 16:54	10/21/20 10:34	1
PCB-1254	0.23	U	0.23	0.049	mg/Kg		10/20/20 16:54	10/21/20 10:34	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		10/20/20 16:54	10/21/20 10:34	1
PCB-1262	0.95		0.23	0.047	mg/Kg		10/20/20 16:54	10/21/20 10:34	1
PCB-1268	0.23	U	0.23	0.043	mg/Kg		10/20/20 16:54	10/21/20 10:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		49 - 129				10/20/20 16:54	10/21/20 10:34	1
DCB Decachlorobiphenyl	421	X	37 - 121				10/20/20 16:54	10/21/20 10:34	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26000		2.2	1.0	mg/Kg		10/16/20 07:28	10/19/20 11:39	5

10/22/2020

Client: Tetra Tech EM Inc. Job ID: 500-189062-1

Project/Site: Nelson Knitting

Client Sample ID: NS-Paint 1-100820

Date Collected: 10/08/20 11:10 Matrix: Solid

Date Received: 10/08/20 16:47

Method: 8082A - Polychlorina	ted Bipheny	/Is (PCBs)	by Gas Chro	omatogr	aphy				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.049	U	0.049	0.017	mg/Kg		10/20/20 16:54	10/21/20 10:49	1
PCB-1221	0.049	U	0.049	0.021	mg/Kg		10/20/20 16:54	10/21/20 10:49	1
PCB-1232	0.049	U	0.049	0.021	mg/Kg		10/20/20 16:54	10/21/20 10:49	1
PCB-1242	0.049	U	0.049	0.016	mg/Kg		10/20/20 16:54	10/21/20 10:49	1
PCB-1248	0.049	U	0.049	0.019	mg/Kg		10/20/20 16:54	10/21/20 10:49	1
PCB-1254	0.049	U	0.049	0.010	mg/Kg		10/20/20 16:54	10/21/20 10:49	1
PCB-1260	0.049	U	0.049	0.024	mg/Kg		10/20/20 16:54	10/21/20 10:49	1
PCB-1262	0.38		0.049	0.010	mg/Kg		10/20/20 16:54	10/21/20 10:49	1
PCB-1268	0.049	U	0.049	0.0093	mg/Kg		10/20/20 16:54	10/21/20 10:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		49 - 129				10/20/20 16:54	10/21/20 10:49	1
DCB Decachlorobiphenyl	88		37 - 121				10/20/20 16:54	10/21/20 10:49	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		0.43	0.20	mg/Kg		10/16/20 07:28	10/16/20 15:47	1

Lab Sample ID: 500-189062-3

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Client: Tetra Tech EM Inc. Job ID: 500-189062-1

Project/Site: Nelson Knitting

Client Sample ID: NS-Waste-100820

Lab Sample ID: 500-189062-4 Date Collected: 10/08/20 11:05 **Matrix: Solid**

Date Received: 10/08/20 16:47

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.082	U	0.082	0.029	mg/Kg		10/20/20 16:54	10/21/20 11:05	1
PCB-1221	0.082	U	0.082	0.036	mg/Kg		10/20/20 16:54	10/21/20 11:05	1
PCB-1232	0.082	U	0.082	0.036	mg/Kg		10/20/20 16:54	10/21/20 11:05	1
PCB-1242	0.082	U	0.082	0.027	mg/Kg		10/20/20 16:54	10/21/20 11:05	1
PCB-1248	0.082	U	0.082	0.032	mg/Kg		10/20/20 16:54	10/21/20 11:05	1
PCB-1254	0.082	U	0.082	0.018	mg/Kg		10/20/20 16:54	10/21/20 11:05	1
PCB-1260	0.082	U	0.082	0.040	mg/Kg		10/20/20 16:54	10/21/20 11:05	1
PCB-1262	0.082	U	0.082	0.017	mg/Kg		10/20/20 16:54	10/21/20 11:05	1
PCB-1268	0.082	U	0.082	0.016	mg/Kg		10/20/20 16:54	10/21/20 11:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		49 - 129				10/20/20 16:54	10/21/20 11:05	1
DCB Decachlorobiphenyl	63		37 - 121				10/20/20 16:54	10/21/20 11:05	1

Method: 6010C - Metals (ICP)									
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	690		2.2	1.0	mg/Kg		10/16/20 07:28	10/19/20 11:42	5
Arsenic	7.0		0.89	0.30	mg/Kg		10/16/20 07:28	10/16/20 15:50	1

Definitions/Glossary

Client: Tetra Tech EM Inc. Job ID: 500-189062-1

Project/Site: Nelson Knitting

Qualifiers

GC Semi VOA

Qualifier Qualifier Description

D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a

dilution may be flagged with a D.

U Indicates the analyte was analyzed for but not detected.

X Surrogate recovery exceeds control limits

Metals

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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QC Association Summary

Client: Tetra Tech EM Inc.

Project/Site: Nelson Knitting

Job ID: 500-189062-1

GC Semi VOA

Prep Batch: 567583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189062-1	NS-Ballast-100820	Total/NA	Solid	3541	
500-189062-2	NS-Paint 2-100820	Total/NA	Solid	3541	
500-189062-3	NS-Paint 1-100820	Total/NA	Solid	3541	
500-189062-4	NS-Waste-100820	Total/NA	Solid	3541	
MB 500-567583/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-567583/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 567646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189062-1	NS-Ballast-100820	Total/NA	Solid	8082A	567583
500-189062-2	NS-Paint 2-100820	Total/NA	Solid	8082A	567583
500-189062-3	NS-Paint 1-100820	Total/NA	Solid	8082A	567583
500-189062-4	NS-Waste-100820	Total/NA	Solid	8082A	567583
MB 500-567583/1-A	Method Blank	Total/NA	Solid	8082A	567583
LCS 500-567583/2-A	Lab Control Sample	Total/NA	Solid	8082A	567583

Metals

Prep Batch: 566880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189062-2	NS-Paint 2-100820	Total/NA	Solid	3050B	
500-189062-3	NS-Paint 1-100820	Total/NA	Solid	3050B	
500-189062-4	NS-Waste-100820	Total/NA	Solid	3050B	
MB 500-566880/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-566880/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 567158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189062-3	NS-Paint 1-100820	Total/NA	Solid	6010C	566880
500-189062-4	NS-Waste-100820	Total/NA	Solid	6010C	566880
MB 500-566880/1-A	Method Blank	Total/NA	Solid	6010C	566880
LCS 500-566880/2-A	Lab Control Sample	Total/NA	Solid	6010C	566880

Analysis Batch: 567297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189062-2	NS-Paint 2-100820	Total/NA	Solid	6010C	566880
500-189062-4	NS-Waste-100820	Total/NA	Solid	6010C	566880

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Surrogate Summary

Client: Tetra Tech EM Inc. Job ID: 500-189062-1

Project/Site: Nelson Knitting

DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid Prep Type: Total/NA

		TCX1	DCBP1	
Lab Sample ID	Client Sample ID	(49-129)	(37-121)	
500-189062-1	NS-Ballast-100820	0 D	0 D	
500-189062-2	NS-Paint 2-100820	88	421 X	
500-189062-3	NS-Paint 1-100820	78	88	
500-189062-4	NS-Waste-100820	71	63	
LCS 500-567583/2-A	Lab Control Sample	81	75	
MB 500-567583/1-A	Method Blank	78	73	
Surrogate Legend				

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Client: Tetra Tech EM Inc. Job ID: 500-189062-1 Project/Site: Nelson Knitting

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-567583/1-A

Matrix: Solid

Analysis Batch: 567646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 567583

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
PCB-1016	0.017	U	0.017	0.0059	mg/Kg		10/20/20 16:54	10/21/20 02:52	
PCB-1221	0.017	U	0.017	0.0073	mg/Kg		10/20/20 16:54	10/21/20 02:52	
PCB-1232	0.017	U	0.017	0.0073	mg/Kg		10/20/20 16:54	10/21/20 02:52	
PCB-1242	0.017	U	0.017	0.0055	mg/Kg		10/20/20 16:54	10/21/20 02:52	
PCB-1248	0.017	U	0.017	0.0066	mg/Kg		10/20/20 16:54	10/21/20 02:52	
PCB-1254	0.017	U	0.017	0.0036	mg/Kg		10/20/20 16:54	10/21/20 02:52	
PCB-1260	0.017	U	0.017	0.0082	mg/Kg		10/20/20 16:54	10/21/20 02:52	
PCB-1262	0.017	U	0.017	0.0035	mg/Kg		10/20/20 16:54	10/21/20 02:52	
PCB-1268	0.017	U	0.017	0.0032	mg/Kg		10/20/20 16:54	10/21/20 02:52	

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78	49 - 129	10/20/20 16:54	10/21/20 02:52	1
DCB Decachlorobiphenyl	73	37 - 121	10/20/20 16:54	10/21/20 02:52	1

Lab Sample ID: LCS 500-567583/2-A

Matrix: Solid

Analysis Batch: 567646

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 567583

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits PCB-1016 0.167 0.162 57 - 120 mg/Kg 97 PCB-1260 0.167 0.165 mg/Kg 61 - 125

LCS LCS

Surrogate	%Recovery Quali	fier Limits
Tetrachloro-m-xylene	81	49 - 129
DCB Decachlorobiphenyl	75	37 - 121

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-566880/1-A

Matrix: Solid

Analysis Batch: 567158

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 566880**

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.50	U	0.50	0.23	mg/Kg		10/16/20 07:28	10/16/20 14:51	1
Arsenic	1.0	U	1.0	0.34	mg/Kg		10/16/20 07:28	10/16/20 14:51	1

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Lab Sample ID: LCS 500-566880/2-A

Matrix: Solid

Analysis Batch: 567158

Client Sample ID: Lab Control Sample Prep Type: Total/NA

%Rac

Prep Batch: 566880

	Spike	LCJ	LUJ				/oixec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Lead	10.0	9.25		mg/Kg		92	80 - 120	
Arsenic	10.0	9.03		mg/Kg		90	80 - 120	

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10/22/2020

Lab Chronicle

Client: Tetra Tech EM Inc. Job ID: 500-189062-1

Project/Site: Nelson Knitting

Client Sample ID: NS-Ballast-100820

Lab Sample ID: 500-189062-1 Date Collected: 10/08/20 14:15 **Matrix: Solid** Date Received: 10/08/20 16:47

Batch Batch Dilution Batch **Prepared Prep Type** Method or Analyzed Type Run **Factor** Number Analyst Lab Total/NA 3541 567583 10/20/20 16:54 ACK TAL CHI Prep Total/NA 8082A 567646 10/21/20 10:03 JBJ TAL CHI Analysis 1000

Client Sample ID: NS-Paint 2-100820 Lab Sample ID: 500-189062-2

Date Collected: 10/08/20 11:35 **Matrix: Solid**

Date Received: 10/08/20 16:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			567583	10/20/20 16:54	ACK	TAL CHI
Total/NA	Analysis	8082A		1	567646	10/21/20 10:34	JBJ	TAL CHI
Total/NA	Prep	3050B			566880	10/16/20 07:28	LMN	TAL CHI
Total/NA	Analysis	6010C		5	567297	10/19/20 11:39	JEF	TAL CHI

Lab Sample ID: 500-189062-3 Client Sample ID: NS-Paint 1-100820

Date Collected: 10/08/20 11:10 **Matrix: Solid**

Date Received: 10/08/20 16:47

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3541			567583	10/20/20 16:54	ACK	TAL CHI
Total/NA	Analysis	8082A		1	567646	10/21/20 10:49	JBJ	TAL CHI
Total/NA	Prep	3050B			566880	10/16/20 07:28	LMN	TAL CHI
Total/NA	Analysis	6010C		1	567158	10/16/20 15:47	JEF	TAL CHI

Client Sample ID: NS-Waste-100820 Lab Sample ID: 500-189062-4

Date Collected: 10/08/20 11:05 **Matrix: Solid**

Date Received: 10/08/20 16:47

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3541			567583	10/20/20 16:54	ACK	TAL CHI
Total/NA	Analysis	8082A		1	567646	10/21/20 11:05	JBJ	TAL CHI
Total/NA	Prep	3050B			566880	10/16/20 07:28	LMN	TAL CHI
Total/NA	Analysis	6010C		5	567297	10/19/20 11:42	JEF	TAL CHI
Total/NA	Prep	3050B			566880	10/16/20 07:28	LMN	TAL CHI
Total/NA	Analysis	6010C		1	567158	10/16/20 15:50	JEF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Tetra Tech EM Inc. Job ID: 500-189062-1

Project/Site: Nelson Knitting

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
8082A	3541	Solid	PCB-1262	
8082A	3541	Solid	PCB-1268	
Indiana	Sta	ate	C-IL-02	06-29-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte		
6010C	3050B	Solid	Arsenic		
6010C	3050B	Solid	Lead		
8082A	3541	Solid	PCB-1016		
8082A	3541	Solid	PCB-1221		
8082A	3541	Solid	PCB-1232		
8082A	3541	Solid	PCB-1242		
8082A	3541	Solid	PCB-1248		
8082A	3541	Solid	PCB-1254		
8082A	3541	Solid	PCB-1260		
8082A	3541	Solid	PCB-1262		
8082A	3541	Solid	PCB-1268		
/isconsin	Sta	ate	999580010	08-31-21	

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
8082A	3541	Solid	PCB-1262	
8082A	3541	Solid	PCB-1268	

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Eurofins TestAmerica, Chicago

2417 Bond Street

University Park, IL 60484 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

Testing · America

Phone, 700-334-3200 Fax. 700-334-3211																		
Client Information	Sampler:				pp, Jir	n D					Carrier T	racking	No(s)		L	COC No [.] 500-85900-3882	:1.1	
Client Contact: Andre Baker	Phone:			E-Ma Jim.		o@Eu	rofins	et.con	n							Page: Page 1 of 2		
Company: Tetra Tech EM Inc.									Analy	sis Re	queste	d				JOB \$00-18	29060	<u>2</u>
Address: 1 South Wacker Drive 37 Floor Ste. 3700	Due Date Reques	ted:														Preservation Cod	les:	
City Chicago	TAT Requested (iays):	a dasc												1	A - HCL B - NaOH C - Zn Acetate	M - Hexane N - None O - AsNaO2	
State, Zip: IL, 60606		. J.	900 or 0							1						D - Nitric Acid E - NaHSO4	P - Na2O4S Q - Na2SO3	
Phone.	PO#: 1168715/ET A -	17			0											F - MeOH G - Amchlor H - Ascorbic Acid	R - Na2S2O3 S - H2SO4 T - TSP Dode	
Email: 500-189062 COC Andre.Baker@tetratech.com	WO #:				No se										yo .	I - Ice J - DI Water K - EDTA	U - Acetone V - MCAA W - pH 4-5	
Project Name: Nelson Knitting	Project #: 50018128				ie (X				1 1						fair	L - EDA	Z - other (spec	cify)
Site:	SSOW#:				Samp										of cor	Other:		
Sample Identification	Sample Date	Sample Time	Sample Type (C≃comp, G≃grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered	RR	7	Arsenic							Total Number	Special Ins	structions/N	lote:
NS-Ballast-100820	10-8-20	1415	6	Solid	T T	X		\top			$\dagger \dagger$	$\dagger \dagger \dagger$						
MS- Paint2-loobdo		11:35	6	Solid		X)							\prod	П	***************************************		
NS-Painti-lookau		11:10	6	Solid		K	×							\prod	П		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
NS-Waste-100820 (AGA)	1	11:05	6	Solid	П	×	4	4										
				Solid								T		\prod				
				Solid														
				Solid	П													
				Solid	П													
				Solid											Π			
				Solid	П											W-101		
				Solid														
Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poise	on B Unkn	own \square_{R}	Radiological		Sá			osal (To Cli		nay be a	issessed Disposal L	if sa By Lab	mples a	re reta		ed longer than 1 /e For	month) Months	
Deliverable Requested: I, II, III, IV, Other (specify)					Sp	ecial	Instru	ctions	/QC Re	quireme	nts:							
Empty Kit Relinquished by:		Date:			Time:			11		Δ	Met	nod of S	Shipment:					
Relinquished by Male Pharman P	Date/Time: 16 - 08 - 1	1020	16:47	Company			eived (s	W	i	la	D		Date/Time		>	1647		HET
Relinquished by:	Date/Time:			Company		Rece	eived by	y: 					Date/Time	L.			Company	
Relinquished by:	Date/Time:			Company		Rece	eived by	y:					Date/Time):			Company	
Custody Seals Intact: Custody Seal No.:						Cool	er Tem	peratur	e(s) °C ar	d Other R	emarks:		1/,	4.			<u> </u>	

Page 17 of 18

Client: Tetra Tech EM Inc.

Job Number: 500-189062-1

Login Number: 189062

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Creator. Scott, Silerii L		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	11.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins TestAmerica, Chicago



Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago 2417 Bond Street University Park, IL 60484 Tel: (708)534-5200

Laboratory Job ID: 500-189063-1 Client Project/Site: Nelson Knitting

For:

Tetra Tech EM Inc. 1 South Wacker Drive 37 Floor Ste. 3700 Chicago, Illinois 60606

Attn: Andre Baker

Authorized for release by: 10/23/2020 11:00:20 AM

Jim Knapp, Project Manager II (630)758-0262

Jim.Knapp@Eurofinset.com

·····LINKS ······

Review your project results through

Total Access

Have a Question?



Visit us at: www.eurofinsus.com/Env The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting Laboratory Job ID: 500-189063-1

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	5
Sample Summary	6
Client Sample Results	7
Definitions	11
QC Association	13
Surrogate Summary	15
QC Sample Results	16
Chronicle	26
Certification Summary	27
Chain of Custody	31
Receipt Checklists	32

Case Narrative

Client: Tetra Tech EM Inc.

Job ID: 500-189063-1

Project/Site: Nelson Knitting

Job ID: 500-189063-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-189063-1

Comments

No additional comments.

Receipt

The sample was received on 10/8/2020 4:47 PM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 11.4° C.

GC/MS VOA

Method 8260B: The method blank for 566660 contained Methylene chloride above the method detection limit and above the reporting limit (RL). This target analytes concentration was less than the reporting limit (RL) in the sample; therefore, re-analysis of sample was not performed. Methylene chloride result had been flagged in the associated sample with a "B" flag denote the presence in the blank and possible lab contamination.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) analyzed in 500-566131 was outside the method criteria for the following analyte(s): Caprolactam and Atrazine. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 500-566131 was outside the method criteria for the following analyte(s): 2,2'-oxybis[1-chloropropane]. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in 500-566131 was outside the method criteria for the following analyte(s): Benzo[b]fluoranthene, Di-n-octyl phthalate, Indeno[1,2,3-cd]pyrene and 2,4,6-Tribromophenol (Surr). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Methods 200.8, 6020A: The continuing calibration verification (CCV) associated with batch 500-567498 recovered above the upper control limit for Selenium. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Client Sample ID: NS-SUMP-100820

Lab Sample ID: 500-189063-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0082	J	0.010	0.0017	mg/L	1	_	8260B	Total/NA
Methylene Chloride	0.0029	JB	0.0050	0.0016	mg/L	1		8260B	Total/NA
Benzo[a]anthracene	0.000078	J	0.00019	0.000053	mg/L	1		8270D	Total/NA
Benzo[a]pyrene	0.00020		0.00019	0.000093	mg/L	1		8270D	Total/NA
Aluminum	0.097	J	0.10	0.025	mg/L	1		6020A	Total/NA
Antimony	0.0025	J	0.0030	0.0013	mg/L	1		6020A	Total/NA
Arsenic	0.0014	В	0.0010	0.00023	mg/L	1		6020A	Total/NA
Barium	0.038		0.0025	0.00073	mg/L	1		6020A	Total/NA
Cadmium	0.00038	J	0.00050	0.00017	mg/L	1		6020A	Total/NA
Calcium	18	В	0.20	0.044	mg/L	1		6020A	Total/NA
Copper	0.013	В	0.0020	0.00050	mg/L	1		6020A	Total/NA
Iron	0.36		0.10	0.047	mg/L	1		6020A	Total/NA
Lead	0.018		0.00050	0.00019	mg/L	1		6020A	Total/NA
Magnesium	10		0.20	0.049	mg/L	1		6020A	Total/NA
Manganese	0.029		0.0025	0.00079	mg/L	1		6020A	Total/NA
Nickel	0.0037		0.0020	0.00063	mg/L	1		6020A	Total/NA
Potassium	3.3	В	0.50	0.11	mg/L	1		6020A	Total/NA
Sodium	6.9		0.20	0.077	mg/L	1		6020A	Total/NA
Vanadium	0.0091		0.0050	0.0022	mg/L	1		6020A	Total/NA
Zinc	0.10		0.020	0.0069	mg/L	1		6020A	Total/NA
Flashpoint	>176		99.0	99.0	Degrees F	1		1010A	Total/NA
corrosivity by pH	7.4	HF	0.2	0.2	SU	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting Job ID: 500-189063-1

Method	Method Description	Protocol	Laboratory
3260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
3270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
3082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL CHI
9040C	pH	SW846	TAL CHI
8010A	Preparation, Total Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

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Sample Summary

Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting

Job ID: 500-189063-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-189063-1	NS-SUMP-100820	Water	10/08/20 11:00	10/08/20 16:47	

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Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Client Sample ID: NS-SUMP-100820

Date Collected: 10/08/20 11:00 Date Received: 10/08/20 16:47

Lab Sample ID: 500-189063-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Dichlorodifluoromethane	0.0030	U	0.0030	0.00067	mg/L			10/15/20 17:55	
Chloromethane	0.0010	U	0.0010	0.00032	mg/L			10/15/20 17:55	
Vinyl chloride	0.0010	U	0.0010	0.00020	mg/L			10/15/20 17:55	
Bromomethane	0.0030	U	0.0030	0.00080	mg/L			10/15/20 17:55	
Chloroethane	0.0010	U	0.0010	0.00051	mg/L			10/15/20 17:55	
Trichlorofluoromethane	0.0010	U	0.0010	0.00043	mg/L			10/15/20 17:55	
1,1-Dichloroethene	0.0010	U	0.0010	0.00039	mg/L			10/15/20 17:55	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00046	mg/L			10/15/20 17:55	
Acetone	0.0082	J	0.010	0.0017	mg/L			10/15/20 17:55	
Carbon disulfide	0.0020	U	0.0020	0.00045	mg/L			10/15/20 17:55	
Methyl acetate	0.0050	U	0.0050	0.0020	mg/L			10/15/20 17:55	
Methylene Chloride	0.0029	JB	0.0050	0.0016	-			10/15/20 17:55	
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00035	mg/L			10/15/20 17:55	
Methyl tert-butyl ether	0.0010	U	0.0010	0.00039	-			10/15/20 17:55	
1,1-Dichloroethane	0.0010	U	0.0010	0.00041	-			10/15/20 17:55	
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00041	mg/L			10/15/20 17:55	
Methyl Ethyl Ketone	0.0050	U	0.0050	0.0021	mg/L			10/15/20 17:55	
Chloroform	0.0020	U	0.0020	0.00037	mg/L			10/15/20 17:55	
1,1,1-Trichloroethane	0.0010		0.0010	0.00038				10/15/20 17:55	
Cyclohexane	0.0010	U	0.0010	0.00049	-			10/15/20 17:55	
Carbon tetrachloride	0.0010	U	0.0010	0.00038	-			10/15/20 17:55	
Benzene	0.00050		0.00050	0.00015				10/15/20 17:55	
1,2-Dichloroethane	0.0010	U	0.0010	0.00039	-			10/15/20 17:55	
Trichloroethene	0.00050		0.00050	0.00016	-			10/15/20 17:55	
Methylcyclohexane	0.0010		0.0010	0.00032				10/15/20 17:55	
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	-			10/15/20 17:55	
Bromodichloromethane	0.0010		0.0010	0.00037	-			10/15/20 17:55	
cis-1,3-Dichloropropene	0.0010		0.0010	0.00042				10/15/20 17:55	
methyl isobutyl ketone	0.0050		0.0050	0.0022	-			10/15/20 17:55	
Toluene	0.00050		0.00050	0.00015	-			10/15/20 17:55	
trans-1,3-Dichloropropene	0.0010		0.0010	0.00036				10/15/20 17:55	
1,1,2-Trichloroethane	0.0010		0.0010	0.00035	-			10/15/20 17:55	
Tetrachloroethene	0.0010		0.0010	0.00037	-			10/15/20 17:55	
2-Hexanone	0.0050		0.0050	0.0016				10/15/20 17:55	
Dibromochloromethane	0.0010		0.0010	0.00049	-			10/15/20 17:55	
1,2-Dibromoethane	0.0010		0.0010	0.00039	_			10/15/20 17:55	
Chlorobenzene	0.0010		0.0010	0.00039				10/15/20 17:55	
Ethylbenzene	0.00050		0.00050	0.00018				10/15/20 17:55	
Xylenes, Total	0.0010		0.0010	0.00022	-			10/15/20 17:55	
Styrene	0.0010		0.0010	0.00039				10/15/20 17:55	
Bromoform	0.0010		0.0010	0.00048	-			10/15/20 17:55	
Isopropylbenzene	0.0010		0.0010	0.00039	-			10/15/20 17:55	
1,1,2,2-Tetrachloroethane	0.0010		0.0010	0.00040				10/15/20 17:55	
1,3-Dichlorobenzene	0.0010		0.0010	0.00040	•			10/15/20 17:55	
1,4-Dichlorobenzene	0.0010		0.0010	0.00036	•			10/15/20 17:55	
1,2-Dichlorobenzene	0.0010		0.0010	0.00033				10/15/20 17:55	
1,2-Dibromo-3-Chloropropane	0.0050		0.0050	0.0020	-			10/15/20 17:55	
1,2,4-Trichlorobenzene	0.0010		0.0010	0.00034	-			10/15/20 17:55	

10/23/2020

Page 7 of 32

Client: Tetra Tech EM Inc. Job ID: 500-189063-1 Project/Site: Nelson Knitting

Client Sample ID: NS-SUMP-100820

Lab Sample ID: 500-189063-1

Date Collected: 10/08/20 11:00 **Matrix: Water** Date Received: 10/08/20 16:47

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		10/15/20 17:55	1
Toluene-d8 (Surr)	95		75 - 120		10/15/20 17:55	1
4-Bromofluorobenzene (Surr)	96		72 - 124		10/15/20 17:55	1
Dibromofluoromethane	106		75 - 120		10/15/20 17:55	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	0.038	U	0.038	0.014	mg/L		10/11/20 07:35	10/13/20 02:30	1
Phenol	0.0047	U	0.0047	0.00063	mg/L		10/11/20 07:35	10/13/20 02:30	1
Bis(2-chloroethyl)ether	0.0019	U	0.0019	0.00027	mg/L		10/11/20 07:35	10/13/20 02:30	1
2-Chlorophenol	0.0047	U	0.0047	0.00052	mg/L		10/11/20 07:35	10/13/20 02:30	1
2-Methylphenol	0.0019	U	0.0019	0.00029	mg/L		10/11/20 07:35	10/13/20 02:30	1
2,2'-oxybis[1-chloropropane]	0.0019	U	0.0019	0.00036	mg/L		10/11/20 07:35	10/13/20 02:30	1
Acetophenone	0.0047	U	0.0047	0.00062	mg/L		10/11/20 07:35	10/13/20 02:30	1
N-Nitrosodi-n-propylamine	0.00047	U	0.00047	0.00014	mg/L		10/11/20 07:35	10/13/20 02:30	1
Hexachloroethane	0.0047	U	0.0047	0.00056	mg/L		10/11/20 07:35	10/13/20 02:30	1
Nitrobenzene	0.00094	U	0.00094	0.00042	mg/L		10/11/20 07:35	10/13/20 02:30	1
Isophorone	0.0019	U	0.0019	0.00035	mg/L		10/11/20 07:35	10/13/20 02:30	1
2-Nitrophenol	0.0094	U	0.0094	0.0023	mg/L		10/11/20 07:35	10/13/20 02:30	1
2,4-Dimethylphenol	0.0094	U	0.0094	0.0017	mg/L		10/11/20 07:35	10/13/20 02:30	1
Bis(2-chloroethoxy)methane	0.0019	U	0.0019	0.00027	mg/L		10/11/20 07:35	10/13/20 02:30	1
2,4-Dichlorophenol	0.0094	U	0.0094	0.0024	mg/L		10/11/20 07:35	10/13/20 02:30	1
Naphthalene	0.00094	U	0.00094	0.00029	mg/L		10/11/20 07:35	10/13/20 02:30	1
4-Chloroaniline	0.0094	U	0.0094	0.0019	mg/L		10/11/20 07:35	10/13/20 02:30	1
Hexachlorobutadiene	0.0047	U	0.0047	0.00048	mg/L		10/11/20 07:35	10/13/20 02:30	1
Caprolactam	0.0094	U	0.0094	0.0014	mg/L		10/11/20 07:35	10/13/20 02:30	1
4-Chloro-3-methylphenol	0.0094	U	0.0094	0.0022	mg/L		10/11/20 07:35	10/13/20 02:30	1
2-Methylnaphthalene	0.0019	U	0.0019	0.000061	mg/L		10/11/20 07:35	10/13/20 02:30	1
Hexachlorocyclopentadiene	0.019	U	0.019	0.0060	mg/L		10/11/20 07:35	10/13/20 02:30	1
2,4,6-Trichlorophenol	0.0047	U	0.0047	0.00067	mg/L		10/11/20 07:35	10/13/20 02:30	1
2,4,5-Trichlorophenol	0.0094	U	0.0094	0.0024	mg/L		10/11/20 07:35	10/13/20 02:30	1
1,1'-Biphenyl	0.0047	U	0.0047	0.00034	mg/L		10/11/20 07:35	10/13/20 02:30	1
2-Chloronaphthalene	0.0019	U	0.0019	0.00022	mg/L		10/11/20 07:35	10/13/20 02:30	1
2-Nitroaniline	0.0047	U	0.0047	0.0012	mg/L		10/11/20 07:35	10/13/20 02:30	1
Dimethyl phthalate	0.0047	U	0.0047	0.00029	mg/L		10/11/20 07:35	10/13/20 02:30	1
2,6-Dinitrotoluene	0.00094	U	0.00094	0.000069	mg/L		10/11/20 07:35	10/13/20 02:30	1
Acenaphthylene	0.00094	U	0.00094	0.00025	mg/L		10/11/20 07:35	10/13/20 02:30	1
3-Nitroaniline	0.0094	U	0.0094	0.0017	mg/L		10/11/20 07:35	10/13/20 02:30	1
Acenaphthene	0.00094	U	0.00094	0.00029	mg/L		10/11/20 07:35	10/13/20 02:30	1
2,4-Dinitrophenol	0.019	U	0.019	0.0081	mg/L		10/11/20 07:35	10/13/20 02:30	1
4-Nitrophenol	0.019	U	0.019	0.0070	mg/L		10/11/20 07:35	10/13/20 02:30	1
Dibenzofuran	0.0019	U	0.0019	0.00025	mg/L		10/11/20 07:35	10/13/20 02:30	1
2,4-Dinitrotoluene	0.00094	U	0.00094	0.00023	mg/L		10/11/20 07:35	10/13/20 02:30	1
Diethyl phthalate	0.0047	U	0.0047	0.00034	mg/L		10/11/20 07:35	10/13/20 02:30	1
Fluorene	0.00094	U	0.00094	0.00023	mg/L		10/11/20 07:35	10/13/20 02:30	1
4-Chlorophenyl phenyl ether	0.0047	U	0.0047	0.00060	mg/L		10/11/20 07:35	10/13/20 02:30	1
4-Nitroaniline	0.0094	U	0.0094	0.0016	mg/L		10/11/20 07:35	10/13/20 02:30	1
4,6-Dinitro-2-methylphenol	0.019	U	0.019	0.0055	mg/L		10/11/20 07:35	10/13/20 02:30	1
N-Nitrosodiphenylamine	0.0019	U	0.0019	0.00035	mg/L		10/11/20 07:35	10/13/20 02:30	1
4-Bromophenyl phenyl ether	0.0047	U	0.0047	0.00051	mg/L		10/11/20 07:35	10/13/20 02:30	1

Eurofins TestAmerica, Chicago

Page 8 of 32 10/23/2020

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Analyte

Aluminum

Client Sample ID: NS-SUMP-100820

Date Collected: 10/08/20 11:00 Date Received: 10/08/20 16:47 Lab Sample ID: 500-189063-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.00047	U	0.00047	0.000074	mg/L		10/11/20 07:35	10/13/20 02:30	1
Atrazine	0.0047	U	0.0047	0.00059	mg/L		10/11/20 07:35	10/13/20 02:30	1
Pentachlorophenol	0.019	U	0.019	0.0037	mg/L		10/11/20 07:35	10/13/20 02:30	1
Phenanthrene	0.00094	U	0.00094	0.00028	mg/L		10/11/20 07:35	10/13/20 02:30	1
Anthracene	0.00094	U	0.00094	0.00031	mg/L		10/11/20 07:35	10/13/20 02:30	1
Carbazole	0.0047	U	0.0047	0.00033	mg/L		10/11/20 07:35	10/13/20 02:30	1
Di-n-butyl phthalate	0.0047	U	0.0047	0.00068	mg/L		10/11/20 07:35	10/13/20 02:30	1
Fluoranthene	0.00094	U	0.00094	0.00043	mg/L		10/11/20 07:35	10/13/20 02:30	1
Pyrene	0.00094	U	0.00094	0.00040	mg/L		10/11/20 07:35	10/13/20 02:30	1
Butyl benzyl phthalate	0.0019	U	0.0019	0.00045	mg/L		10/11/20 07:35	10/13/20 02:30	1
3,3'-Dichlorobenzidine	0.0047	U	0.0047	0.0016	mg/L		10/11/20 07:35	10/13/20 02:30	1
Benzo[a]anthracene	0.000078	J	0.00019	0.000053	mg/L		10/11/20 07:35	10/13/20 02:30	1
Chrysene	0.00019	U	0.00019	0.000064	mg/L		10/11/20 07:35	10/13/20 02:30	1
Bis(2-ethylhexyl) phthalate	0.0094	U	0.0094	0.0016	mg/L		10/11/20 07:35	10/13/20 02:30	1
Di-n-octyl phthalate	0.0094	U	0.0094	0.00098	mg/L		10/11/20 07:35	10/13/20 02:30	1
Benzo[b]fluoranthene	0.00019	U	0.00019	0.000076	mg/L		10/11/20 07:35	10/13/20 02:30	1
Benzo[k]fluoranthene	0.00019	U	0.00019	0.000060	mg/L		10/11/20 07:35	10/13/20 02:30	1
Benzo[a]pyrene	0.00020		0.00019	0.000093	mg/L		10/11/20 07:35	10/13/20 02:30	1
Indeno[1,2,3-cd]pyrene	0.00019	U	0.00019	0.000070	mg/L		10/11/20 07:35	10/13/20 02:30	1
Dibenz(a,h)anthracene	0.00028	U	0.00028	0.000048	mg/L		10/11/20 07:35	10/13/20 02:30	1
Benzo[g,h,i]perylene	0.00094	U	0.00094	0.00035	mg/L		10/11/20 07:35	10/13/20 02:30	1
3 & 4 Methylphenol	0.0019	U	0.0019	0.00042	mg/L		10/11/20 07:35	10/13/20 02:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	50		27 - 110				10/11/20 07:35	10/13/20 02:30	1
Phenol-d5 (Surr)	29		20 - 110				10/11/20 07:35	10/13/20 02:30	1
Nitrobenzene-d5 (Surr)	63		36 - 120				10/11/20 07:35	10/13/20 02:30	1
2-Fluorobiphenyl	67		34 - 110				10/11/20 07:35	10/13/20 02:30	1
2,4,6-Tribromophenol (Surr)	99		40 - 145				10/11/20 07:35	10/13/20 02:30	1
Terphenyl-d14	83		40 - 145				10/11/20 07:35	10/13/20 02:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.00044	U	0.00044	0.000073	mg/L		10/09/20 09:12	10/10/20 04:05	1
PCB-1221	0.00044	U	0.00044	0.00022	mg/L		10/09/20 09:12	10/10/20 04:05	1
PCB-1232	0.00044	U	0.00044	0.00022	mg/L		10/09/20 09:12	10/10/20 04:05	1
PCB-1242	0.00044	U	0.00044	0.00022	mg/L		10/09/20 09:12	10/10/20 04:05	1
PCB-1248	0.00044	U	0.00044	0.00022	mg/L		10/09/20 09:12	10/10/20 04:05	1
PCB-1254	0.00044	U	0.00044	0.00022	mg/L		10/09/20 09:12	10/10/20 04:05	1
PCB-1260	0.00044	U	0.00044	0.000077	mg/L		10/09/20 09:12	10/10/20 04:05	1
PCB-1262	0.00044	U	0.00044	0.00022	mg/L		10/09/20 09:12	10/10/20 04:05	1
PCB-1268	0.00044	U	0.00044	0.00022	mg/L		10/09/20 09:12	10/10/20 04:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Tetrachloro-m-xylene	59		30 - 120				10/09/20 09:12	10/10/20 04:05	1
DCB Decachlorobiphenyl	111		30 - 140				10/09/20 09:12	10/10/20 04:05	1

RL

0.10

Result Qualifier

0.097 J

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10/14/20 08:12 10/19/20 15:09

Analyzed

Prepared

Page 9 of 32

MDL Unit

0.025 mg/L

G

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10/23/2020

Dil Fac

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Client Sample ID: NS-SUMP-100820

Date Collected: 10/08/20 11:00

Result Qualifier

7.4 HF

>176

Lab Sample ID: 500-189063-1 **Matrix: Water**

Date Received: 10/08/20 16:47

Analyte

Flashpoint

corrosivity by pH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0025	J	0.0030	0.0013	mg/L		10/14/20 08:12	10/19/20 16:57	1
Arsenic	0.0014	В	0.0010	0.00023	mg/L		10/14/20 08:12	10/20/20 17:22	1
Barium	0.038		0.0025	0.00073	mg/L		10/14/20 08:12	10/19/20 15:09	1
Beryllium	0.0010	U	0.0010	0.00053	mg/L		10/14/20 08:12	10/19/20 16:57	1
Cadmium	0.00038	J	0.00050	0.00017	mg/L		10/14/20 08:12	10/19/20 16:57	1
Calcium	18	В	0.20	0.044	mg/L		10/14/20 08:12	10/19/20 15:09	1
Chromium	0.0050	U	0.0050	0.0011	mg/L		10/14/20 08:12	10/19/20 15:09	1
Cobalt	0.0010	U	0.0010	0.00040	mg/L		10/14/20 08:12	10/19/20 15:09	1
Copper	0.013	В	0.0020	0.00050	mg/L		10/14/20 08:12	10/19/20 15:09	1
Iron	0.36		0.10	0.047	mg/L		10/14/20 08:12	10/19/20 15:09	1
Lead	0.018		0.00050	0.00019	mg/L		10/14/20 08:12	10/19/20 15:09	1
Magnesium	10		0.20	0.049	mg/L		10/14/20 08:12	10/19/20 15:09	1
Manganese	0.029		0.0025	0.00079	mg/L		10/14/20 08:12	10/19/20 15:09	1
Nickel	0.0037		0.0020	0.00063	mg/L		10/14/20 08:12	10/19/20 15:09	1
Potassium	3.3	В	0.50	0.11	mg/L		10/14/20 08:12	10/19/20 15:09	1
Selenium	0.0025	U ^	0.0025	0.00098	mg/L		10/14/20 08:12	10/19/20 15:09	1
Silver	0.00050	U	0.00050	0.00012	mg/L		10/14/20 08:12	10/19/20 15:09	1
Sodium	6.9		0.20	0.077	mg/L		10/14/20 08:12	10/19/20 15:09	1
Thallium	0.0020	U	0.0020	0.00057	mg/L		10/14/20 08:12	10/19/20 15:09	1
Vanadium	0.0091		0.0050	0.0022	mg/L		10/14/20 08:12	10/19/20 15:09	1
Zinc	0.10		0.020	0.0069	mg/L		10/14/20 08:12	10/19/20 16:57	1
Method: 7470A - Mercury (CVA	A)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000098	mg/L		10/19/20 09:10	10/20/20 09:01	1
General Chemistry									
						_			

RL

99.0

0.2

MDL Unit

0.2 SU

99.0 Degrees F

Prepared

Analyzed

10/22/20 12:50

10/12/20 14:59

Eurofins TestAmerica, Unicago

Dil Fac

10/23/2020

Definitions/Glossary

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Qualifiers

GC/MS VOA

Qualifier Description

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Metals

Qualifier Qualifier Description

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier Qualifier Description

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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Page 11 of 32 10/23/2020

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Definitions/Glossary

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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QC Association Summary

Client: Tetra Tech EM Inc.

Project/Site: Nelson Knitting

Job ID: 500-189063-1

GC/MS VOA

Analy	vsis	Batch:	566660
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	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	500-189063-1	NS-SUMP-100820	Total/NA	Water	8260B	
	MB 500-566660/6	Method Blank	Total/NA	Water	8260B	
l	LCS 500-566660/4	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 565923

Lab Sample ID 500-189063-1	Client Sample ID NS-SUMP-100820	Prep Type Total/NA	Matrix Water	Method 3510C	Prep Batch
MB 500-565923/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-565923/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 566131

Lab Sample ID 500-189063-1	Client Sample ID NS-SUMP-100820	Prep Type Total/NA	Matrix Water	Method 8270D	Prep Batch 565923
MB 500-565923/1-A	Method Blank	Total/NA	Water	8270D	565923
LCS 500-565923/2-A	Lab Control Sample	Total/NA	Water	8270D	565923

GC Semi VOA

Prep Batch: 565773

Lab Sample ID 500-189063-1	Client Sample ID NS-SUMP-100820	Prep Type Total/NA	Matrix Water	Method 3510C	Prep Batch
MB 500-565773/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-565773/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-565773/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 565874

Lab Sample ID 500-189063-1	Client Sample ID NS-SUMP-100820	Prep Type Total/NA	Matrix Water	Method 8082A	Prep Batch 565773
MB 500-565773/1-A	Method Blank	Total/NA	Water	8082A	565773
LCS 500-565773/4-A	Lab Control Sample	Total/NA	Water	8082A	565773
LCSD 500-565773/5-A	Lab Control Sample Dup	Total/NA	Water	8082A	565773

Metals

Prep Batch: 566446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189063-1	NS-SUMP-100820	Total/NA	Water	3010A	
MB 500-566446/1-A	Method Blank	Total/NA	Water	3010A	
LCS 500-566446/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 500-566446/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Prep Batch: 567230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189063-1	NS-SUMP-100820	Total/NA	Water	7470A	
MB 500-567230/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-567230/25-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 567494

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189063-1	NS-SUMP-100820	Total/NA	Water	7470A	567230

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10/23/2020

Page 13 of 32

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QC Association Summary

Client: Tetra Tech EM Inc. Job ID: 500-189063-1 Project/Site: Nelson Knitting

Metals (Continued)

Analysis Batch: 567494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-567230/12-A	Method Blank	Total/NA	Water	7470A	567230
LCS 500-567230/25-A	Lab Control Sample	Total/NA	Water	7470A	567230

Analysis Batch: 567498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189063-1	NS-SUMP-100820	Total/NA	Water	6020A	566446
MB 500-566446/1-A	Method Blank	Total/NA	Water	6020A	566446
LCS 500-566446/2-A	Lab Control Sample	Total/NA	Water	6020A	566446
LCSD 500-566446/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	566446

Analysis Batch: 567501

Lab Sample ID 500-189063-1	Client Sample ID NS-SUMP-100820	Prep Type Total/NA	Matrix Water	Method 6020A	Prep Batch 566446
MB 500-566446/1-A	Method Blank	Total/NA	Water	6020A	566446
LCS 500-566446/2-A	Lab Control Sample	Total/NA	Water	6020A	566446
LCSD 500-566446/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	566446

Analysis Batch: 567754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189063-1	NS-SUMP-100820	Total/NA	Water	6020A	566446
MB 500-566446/1-A	Method Blank	Total/NA	Water	6020A	566446
LCS 500-566446/2-A	Lab Control Sample	Total/NA	Water	6020A	566446
LCSD 500-566446/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	566446

General Chemistry

Analysis Batch: 566213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189063-1	NS-SUMP-100820	Total/NA	Water	9040C	<u> </u>
LCS 500-566213/2	Lab Control Sample	Total/NA	Water	9040C	
LCSD 500-566213/3	Lab Control Sample Dup	Total/NA	Water	9040C	
500-189063-1 DU	NS-SUMP-100820	Total/NA	Water	9040C	

Analysis Batch: 568068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-189063-1	NS-SUMP-100820	Total/NA	Water	1010A	

Job ID: 500-189063-1

Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-126)	(75-120)	(72-124)	(75-120)
500-189063-1	NS-SUMP-100820	103	95	96	106
LCS 500-566660/4	Lab Control Sample	98	101	94	100
MB 500-566660/6	Method Blank	99	94	99	101
Surrogate Legend					

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water Prep Type: Total/NA

Lab Sample ID Client Sample ID (27-110) (20-110) (36-120) (34-110) (40-145) (40-145) 500-189063-1 NS-SUMP-100820 50 29 63 67 99				Pe	ercent Surre	ogate Reco	very (Accer	otance Limi
500-189063-1 NS-SUMP-100820 50 29 63 67 99			2FP	PHL	NBZ	FBP	TBP	TPHL
	Lab Sample ID	Client Sample ID	(27-110)	(20-110)	(36-120)	(34-110)	(40-145)	(40-145)
LCS 500-565923/2-A Lab Control Sample 50 36 61 61 103	500-189063-1	NS-SUMP-100820	50	29	63	67	99	83
	LCS 500-565923/2-A	Lab Control Sample	50	36	61	61	103	89
MB 500-565923/1-A Method Blank 52 31 60 61 99	MB 500-565923/1-A	Method Blank	52	31	60	61	99	93

Surrogate Legend

2FP = 2-Fluorophenol (Surr)

PHL = Phenol-d5 (Surr)

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl

TBP = 2,4,6-Tribromophenol (Surr)

TPHL = Terphenyl-d14

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water Prep Type: Total/NA

			Percei	nt Surrogate Recovery (Acceptance Limits)
		TCX2	DCBP2	
Lab Sample ID	Client Sample ID	(30-120)	(30-140)	
500-189063-1	NS-SUMP-100820	59	111	
LCS 500-565773/4-A	Lab Control Sample	62	44	
LCSD 500-565773/5-A	Lab Control Sample Dup	62	49	
MB 500-565773/1-A	Method Blank	60	52	

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

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10/23/2020

QC Sample Results

Client: Tetra Tech EM Inc.

Project/Site: Nelson Knitting

Job ID: 500-189063-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-566660/6

Matrix: Water

Analysis Batch: 566660

Client Sample ID: Method Blank Prep Type: Total/NA

	Prep Type: 1	Γotal/NA
Prepared	Analyzed	Dil Fac

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		МВ							
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.0030		0.0030	0.00067	-			10/15/20 11:13	1
Chloromethane	0.0010	U	0.0010	0.00032	-			10/15/20 11:13	1
Vinyl chloride	0.0010	U	0.0010	0.00020				10/15/20 11:13	1
Bromomethane	0.0030	U	0.0030	0.00080	mg/L			10/15/20 11:13	1
Chloroethane	0.0010	U	0.0010	0.00051	mg/L			10/15/20 11:13	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00043	mg/L			10/15/20 11:13	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00039	mg/L			10/15/20 11:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00046	mg/L			10/15/20 11:13	1
Acetone	0.010	U	0.010	0.0017	mg/L			10/15/20 11:13	1
Carbon disulfide	0.0020	U	0.0020	0.00045	mg/L			10/15/20 11:13	1
Methyl acetate	0.0050	U	0.0050	0.0020	mg/L			10/15/20 11:13	1
Methylene Chloride	0.00770		0.0050	0.0016	mg/L			10/15/20 11:13	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00035	mg/L			10/15/20 11:13	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00039	mg/L			10/15/20 11:13	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00041	-			10/15/20 11:13	1
cis-1,2-Dichloroethene	0.0010		0.0010	0.00041	mg/L			10/15/20 11:13	1
Methyl Ethyl Ketone	0.0050	U	0.0050	0.0021	-			10/15/20 11:13	1
Chloroform	0.0020	U	0.0020	0.00037	-			10/15/20 11:13	1
1,1,1-Trichloroethane	0.0010		0.0010	0.00038				10/15/20 11:13	1
Cyclohexane	0.0010		0.0010	0.00049	•			10/15/20 11:13	1
Carbon tetrachloride	0.0010		0.0010	0.00038	•			10/15/20 11:13	1
Benzene	0.00050		0.00050	0.00015				10/15/20 11:13	· · · · · · · 1
1,2-Dichloroethane	0.0010		0.0010	0.00039	_			10/15/20 11:13	1
Trichloroethene	0.00050		0.00050	0.00016	•			10/15/20 11:13	1
Methylcyclohexane	0.0010		0.0010	0.00032				10/15/20 11:13	1
1,2-Dichloropropane	0.0010		0.0010	0.00043	-			10/15/20 11:13	1
Bromodichloromethane	0.0010		0.0010	0.00043	-			10/15/20 11:13	1
cis-1,3-Dichloropropene	0.0010		0.0010	0.00037				10/15/20 11:13	· · · · · · · · · · · · · · · · · · ·
methyl isobutyl ketone	0.0010		0.0010	0.00042	-			10/15/20 11:13	1
Toluene	0.0050		0.00050	0.0022	-			10/15/20 11:13	1
trans-1,3-Dichloropropene	0.00030		0.0010	0.00013				10/15/20 11:13	
···	0.0010		0.0010	0.00036	-			10/15/20 11:13	
1,1,2-Trichloroethane					-				1
Tetrachloroethene	0.0010		0.0010	0.00037				10/15/20 11:13	1
2-Hexanone	0.0050		0.0050	0.0016	-			10/15/20 11:13	1
Dibromochloromethane	0.0010		0.0010	0.00049	-			10/15/20 11:13	1
1,2-Dibromoethane	0.0010		0.0010	0.00039				10/15/20 11:13	1
Chlorobenzene	0.0010		0.0010	0.00039	-			10/15/20 11:13	1
Ethylbenzene	0.00050		0.00050	0.00018	-			10/15/20 11:13	1
Xylenes, Total	0.0010		0.0010	0.00022				10/15/20 11:13	
Styrene	0.0010		0.0010	0.00039	-			10/15/20 11:13	1
Bromoform	0.0010		0.0010	0.00048	-			10/15/20 11:13	1
Isopropylbenzene	0.0010		0.0010	0.00039				10/15/20 11:13	
1,1,2,2-Tetrachloroethane	0.0010		0.0010	0.00040	-			10/15/20 11:13	1
1,3-Dichlorobenzene	0.0010		0.0010	0.00040	•			10/15/20 11:13	1
1,4-Dichlorobenzene	0.0010		0.0010	0.00036	5			10/15/20 11:13	1
1,2-Dichlorobenzene	0.0010		0.0010	0.00033	-			10/15/20 11:13	1
1,2-Dibromo-3-Chloropropane	0.0050		0.0050	0.0020	•			10/15/20 11:13	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00034	mg/L			10/15/20 11:13	1

QC Sample Results

Client: Tetra Tech EM Inc. Job ID: 500-189063-1 Project/Site: Nelson Knitting

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-566660/6 **Matrix: Water**

Analysis Batch: 566660

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 99 75 - 126 10/15/20 11:13 Toluene-d8 (Surr) 94 75 - 120 10/15/20 11:13 4-Bromofluorobenzene (Surr) 99 72 - 124 10/15/20 11:13 Dibromofluoromethane 101 75 - 120 10/15/20 11:13

Lab Sample ID: LCS 500-566660/4

Matrix: Water

Analysis Batch: 566660

Client	Sample	ID:	Lab	Control	Sample
			Dro	a Turnou "	Total/NIA

Prep Type: Total/NA

•	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier Unit	D %	%Rec	Limits	
Dichlorodifluoromethane	0.0500	0.0533	mg/L		107	40 - 159	
Chloromethane	0.0500	0.0369	mg/L		74	56 - 152	
Vinyl chloride	0.0500	0.0420	mg/L		84	64 - 126	
Bromomethane	0.0500	0.0331	mg/L		66	40 - 152	
Chloroethane	0.0500	0.0382	mg/L		76	48 - 136	
Trichlorofluoromethane	0.0500	0.0403	mg/L		81	55 - 128	
1,1-Dichloroethene	0.0500	0.0419	mg/L		84	67 - 122	
1,1,2-Trichloro-1,2,2-trifluoroetha	0.0500	0.0417	mg/L		83	70 - 123	
ne							
Acetone	0.0500	0.0358	mg/L		72	40 - 143	
Carbon disulfide	0.0500	0.0386	mg/L		77	66 - 120	
Methyl acetate	0.100	0.0722	mg/L		72	56 - 150	
Methylene Chloride	0.0500	0.0494	mg/L		99	69 - 125	
trans-1,2-Dichloroethene	0.0500	0.0438	mg/L		88	70 ₋ 125	
Methyl tert-butyl ether	0.0500	0.0376	mg/L		75	55 - 123	
1,1-Dichloroethane	0.0500	0.0395	mg/L		79	70 - 125	
cis-1,2-Dichloroethene	0.0500	0.0434	mg/L		87	70 - 125	
Methyl Ethyl Ketone	0.0500	0.0351	mg/L		70	46 - 144	
Chloroform	0.0500	0.0413	mg/L		83	70 - 120	
1,1,1-Trichloroethane	0.0500	0.0430	mg/L		86	70 - 125	
Cyclohexane	0.0500	0.0387	mg/L		77	69 - 142	
Carbon tetrachloride	0.0500	0.0431	mg/L		86	59 - 133	
Benzene	0.0500	0.0425	mg/L		85	70 - 120	
1,2-Dichloroethane	0.0500	0.0433	mg/L		87	68 - 127	
Trichloroethene	0.0500	0.0508	mg/L		102	70 - 125	
Methylcyclohexane	0.0500	0.0427	mg/L		85	70 - 120	
1,2-Dichloropropane	0.0500	0.0423	mg/L		85	67 - 130	
Bromodichloromethane	0.0500	0.0424	mg/L		85	69 - 120	
cis-1,3-Dichloropropene	0.0500	0.0417	mg/L		83	64 - 127	
methyl isobutyl ketone	0.0500	0.0337	mg/L		67	55 - 139	
Toluene	0.0500	0.0454	mg/L		91	70 - 125	
trans-1,3-Dichloropropene	0.0500	0.0411	mg/L		82	62 - 128	
1,1,2-Trichloroethane	0.0500	0.0467	mg/L		93	71 - 130	
Tetrachloroethene	0.0500	0.0492	mg/L		98	70 - 128	
2-Hexanone	0.0500	0.0386	mg/L		77	54 - 146	
Dibromochloromethane	0.0500	0.0461	mg/L		92	68 - 125	
1,2-Dibromoethane	0.0500	0.0471	mg/L		94	70 - 125	
Chlorobenzene	0.0500	0.0470	mg/L		94	70 - 120	
Ethylbenzene	0.0500	0.0435	mg/L		87	70 - 123	

Eurofins TestAmerica, Chicago

10/23/2020

Page 17 of 32

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-566660/4

Matrix: Water

Analysis Batch: 566660

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

-		LCS				%Rec.	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.0835		mg/L		84	70 - 125	
0.0500	0.0487		mg/L		97	70 - 120	
0.0500	0.0497		mg/L		99	56 - 132	
0.0500	0.0433		mg/L		87	70 - 126	
0.0500	0.0418		mg/L		84	62 - 140	
0.0500	0.0462		mg/L		92	70 - 125	
0.0500	0.0469		mg/L		94	70 - 120	
0.0500	0.0450		mg/L		90	70 - 125	
0.0500	0.0447		mg/L		89	56 - 123	
0.0500	0.0428		mg/L		86	57 - 137	
	0.100 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500 0.0500	Added Result 0.100 0.0835 0.0500 0.0487 0.0500 0.0497 0.0500 0.0433 0.0500 0.0418 0.0500 0.0462 0.0500 0.0469 0.0500 0.0450 0.0500 0.0447	Added Result Qualifier 0.100 0.0835 Qualifier 0.0500 0.0487 Qualifier 0.0500 0.0497 Qualifier 0.0500 0.0433 Qualifier 0.0500 0.0418 Qualifier 0.0500 0.0462 Qualifier 0.0500 0.0469 Qualifier 0.0500 0.0450 Qualifier	Added Result Qualifier Unit 0.100 0.0835 mg/L 0.0500 0.0487 mg/L 0.0500 0.0497 mg/L 0.0500 0.0433 mg/L 0.0500 0.0418 mg/L 0.0500 0.0462 mg/L 0.0500 0.0469 mg/L 0.0500 0.0450 mg/L 0.0500 0.0447 mg/L	Added Result Qualifier Unit D 0.100 0.0835 mg/L mg/L 0.0500 0.0487 mg/L mg/L 0.0500 0.0497 mg/L mg/L 0.0500 0.0433 mg/L mg/L 0.0500 0.0418 mg/L mg/L 0.0500 0.0462 mg/L mg/L 0.0500 0.0450 mg/L mg/L 0.0500 0.0447 mg/L mg/L	Added Result Qualifier Unit D %Rec 0.100 0.0835 mg/L 84 0.0500 0.0487 mg/L 97 0.0500 0.0497 mg/L 87 0.0500 0.0433 mg/L 87 0.0500 0.0418 mg/L 84 0.0500 0.0462 mg/L 92 0.0500 0.0469 mg/L 94 0.0500 0.0450 mg/L 90 0.0500 0.0447 mg/L 89	Added Result Qualifier Unit D %Rec Limits 0.100 0.0835 mg/L 84 70 - 125 0.0500 0.0487 mg/L 97 70 - 120 0.0500 0.0497 mg/L 99 56 - 132 0.0500 0.0433 mg/L 87 70 - 126 0.0500 0.0418 mg/L 84 62 - 140 0.0500 0.0462 mg/L 92 70 - 125 0.0500 0.0469 mg/L 94 70 - 120 0.0500 0.0450 mg/L 90 70 - 125 0.0500 0.0447 mg/L 89 56 - 123

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		75 - 126
Toluene-d8 (Surr)	101		75 - 120
4-Bromofluorobenzene (Surr)	94		72 - 124
Dibromofluoromethane	100		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-565923/1-A

Matrix: Water

Analysis Batch: 566131

Client Sample ID: Method Blank
Prep Type: Total/NA

Prep Batch: 565923

Analysis Batch: 566131								Prep Batch:	565923
	MB	MB							
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	0.032	U	0.032	0.012	mg/L		10/11/20 07:35	10/13/20 01:34	1
Phenol	0.0040	U	0.0040	0.00054	mg/L		10/11/20 07:35	10/13/20 01:34	1
Bis(2-chloroethyl)ether	0.0016	U	0.0016	0.00023	mg/L		10/11/20 07:35	10/13/20 01:34	1
2-Chlorophenol	0.0040	U	0.0040	0.00045	mg/L		10/11/20 07:35	10/13/20 01:34	1
2-Methylphenol	0.0016	U	0.0016	0.00024	mg/L		10/11/20 07:35	10/13/20 01:34	1
2,2'-oxybis[1-chloropropane]	0.0016	U	0.0016	0.00030	mg/L		10/11/20 07:35	10/13/20 01:34	1
Acetophenone	0.0040	U	0.0040	0.00053	mg/L		10/11/20 07:35	10/13/20 01:34	1
N-Nitrosodi-n-propylamine	0.00040	U	0.00040	0.00012	mg/L		10/11/20 07:35	10/13/20 01:34	1
Hexachloroethane	0.0040	U	0.0040	0.00048	mg/L		10/11/20 07:35	10/13/20 01:34	1
Nitrobenzene	0.00080	U	0.00080	0.00036	mg/L		10/11/20 07:35	10/13/20 01:34	1
Isophorone	0.0016	U	0.0016	0.00030	mg/L		10/11/20 07:35	10/13/20 01:34	1
2-Nitrophenol	0.0080	U	0.0080	0.0020	mg/L		10/11/20 07:35	10/13/20 01:34	1
2,4-Dimethylphenol	0.0080	U	0.0080	0.0014	mg/L		10/11/20 07:35	10/13/20 01:34	1
Bis(2-chloroethoxy)methane	0.0016	U	0.0016	0.00023	mg/L		10/11/20 07:35	10/13/20 01:34	1
2,4-Dichlorophenol	0.0080	U	0.0080	0.0021	mg/L		10/11/20 07:35	10/13/20 01:34	1
Naphthalene	0.00080	U	0.00080	0.00025	mg/L		10/11/20 07:35	10/13/20 01:34	1
4-Chloroaniline	0.0080	U	0.0080	0.0016	mg/L		10/11/20 07:35	10/13/20 01:34	1
Hexachlorobutadiene	0.0040	U	0.0040	0.00041	mg/L		10/11/20 07:35	10/13/20 01:34	1
Caprolactam	0.0080	U	0.0080	0.0012	mg/L		10/11/20 07:35	10/13/20 01:34	1
4-Chloro-3-methylphenol	0.0080	U	0.0080	0.0018	mg/L		10/11/20 07:35	10/13/20 01:34	1
2-Methylnaphthalene	0.0016	U	0.0016	0.000052	mg/L		10/11/20 07:35	10/13/20 01:34	1
Hexachlorocyclopentadiene	0.016	U	0.016	0.0051	mg/L		10/11/20 07:35	10/13/20 01:34	1
2,4,6-Trichlorophenol	0.0040	U	0.0040	0.00057	mg/L		10/11/20 07:35	10/13/20 01:34	1
2,4,5-Trichlorophenol	0.0080	U	0.0080	0.0021	mg/L		10/11/20 07:35	10/13/20 01:34	1
1,1'-Biphenyl	0.0040	U	0.0040	0.00029	mg/L		10/11/20 07:35	10/13/20 01:34	1

Eurofins TestAmerica, Chicago

Page 18 of 32

2

4

6

8

10

12

14

QC Sample Results

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-565923/1-A

Matrix: Water

Surrogate

2-Fluorophenol (Surr)

Analysis Batch: 566131

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 565923

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.0016	U	0.0016	0.00019	mg/L		10/11/20 07:35	10/13/20 01:34	1
2-Nitroaniline	0.0040	U	0.0040	0.0010	mg/L		10/11/20 07:35	10/13/20 01:34	1
Dimethyl phthalate	0.0040	U	0.0040	0.00025	mg/L		10/11/20 07:35	10/13/20 01:34	1
2,6-Dinitrotoluene	0.00080	U	0.00080	0.000059	mg/L		10/11/20 07:35	10/13/20 01:34	1
Acenaphthylene	0.00080	U	0.00080	0.00021	mg/L		10/11/20 07:35	10/13/20 01:34	1
3-Nitroaniline	0.0080	U	0.0080	0.0014	mg/L		10/11/20 07:35	10/13/20 01:34	1
Acenaphthene	0.00080	U	0.00080	0.00025	mg/L		10/11/20 07:35	10/13/20 01:34	1
2,4-Dinitrophenol	0.016	U	0.016	0.0069	mg/L		10/11/20 07:35	10/13/20 01:34	1
4-Nitrophenol	0.016	U	0.016	0.0059	mg/L		10/11/20 07:35	10/13/20 01:34	1
Dibenzofuran	0.0016	U	0.0016	0.00021	mg/L		10/11/20 07:35	10/13/20 01:34	1
2,4-Dinitrotoluene	0.00080	U	0.00080	0.00020	mg/L		10/11/20 07:35	10/13/20 01:34	1
Diethyl phthalate	0.0040	U	0.0040	0.00029	mg/L		10/11/20 07:35	10/13/20 01:34	1
Fluorene	0.00080	U	0.00080	0.00020	mg/L		10/11/20 07:35	10/13/20 01:34	1
4-Chlorophenyl phenyl ether	0.0040	U	0.0040	0.00051	mg/L		10/11/20 07:35	10/13/20 01:34	1
4-Nitroaniline	0.0080	U	0.0080	0.0013	mg/L		10/11/20 07:35	10/13/20 01:34	1
4,6-Dinitro-2-methylphenol	0.016	U	0.016	0.0047	mg/L		10/11/20 07:35	10/13/20 01:34	1
N-Nitrosodiphenylamine	0.0016	U	0.0016	0.00030	mg/L		10/11/20 07:35	10/13/20 01:34	1
4-Bromophenyl phenyl ether	0.0040	U	0.0040	0.00043	mg/L		10/11/20 07:35	10/13/20 01:34	1
Hexachlorobenzene	0.00040	U	0.00040	0.000064	mg/L		10/11/20 07:35	10/13/20 01:34	1
Atrazine	0.0040	U	0.0040	0.00050	mg/L		10/11/20 07:35	10/13/20 01:34	1
Pentachlorophenol	0.016	U	0.016	0.0032	mg/L		10/11/20 07:35	10/13/20 01:34	1
Phenanthrene	0.00080	U	0.00080	0.00024	mg/L		10/11/20 07:35	10/13/20 01:34	1
Anthracene	0.00080	U	0.00080	0.00027	mg/L		10/11/20 07:35	10/13/20 01:34	1
Carbazole	0.0040	U	0.0040	0.00028	mg/L		10/11/20 07:35	10/13/20 01:34	1
Di-n-butyl phthalate	0.0040	U	0.0040	0.00058	mg/L		10/11/20 07:35	10/13/20 01:34	1
Fluoranthene	0.00080	U	0.00080	0.00036	mg/L		10/11/20 07:35	10/13/20 01:34	1
Pyrene	0.00080	U	0.00080	0.00034	mg/L		10/11/20 07:35	10/13/20 01:34	1
Butyl benzyl phthalate	0.0016	U	0.0016	0.00038	mg/L		10/11/20 07:35	10/13/20 01:34	1
3,3'-Dichlorobenzidine	0.0040	U	0.0040	0.0014	mg/L		10/11/20 07:35	10/13/20 01:34	1
Benzo[a]anthracene	0.00016	U	0.00016	0.000045	mg/L		10/11/20 07:35	10/13/20 01:34	1
Chrysene	0.00016	U	0.00016	0.000055	mg/L		10/11/20 07:35	10/13/20 01:34	1
Bis(2-ethylhexyl) phthalate	0.0080	U	0.0080	0.0014	mg/L		10/11/20 07:35	10/13/20 01:34	1
Di-n-octyl phthalate	0.0080	U	0.0080	0.00084	mg/L		10/11/20 07:35	10/13/20 01:34	1
Benzo[b]fluoranthene	0.00016	U	0.00016	0.000065	mg/L		10/11/20 07:35	10/13/20 01:34	1
Benzo[k]fluoranthene	0.00016	U	0.00016	0.000051	mg/L		10/11/20 07:35	10/13/20 01:34	1
Benzo[a]pyrene	0.00016	U	0.00016	0.000079	mg/L		10/11/20 07:35	10/13/20 01:34	1
Indeno[1,2,3-cd]pyrene	0.00016	U	0.00016	0.000060	mg/L		10/11/20 07:35	10/13/20 01:34	1
Dibenz(a,h)anthracene	0.00024	U	0.00024	0.000041	mg/L		10/11/20 07:35	10/13/20 01:34	1
Benzo[g,h,i]perylene	0.00080	U	0.00080	0.00030	mg/L		10/11/20 07:35	10/13/20 01:34	1
3 & 4 Methylphenol	0.0016	U	0.0016	0.00036			10/11/20 07:35	10/13/20 01:34	1
	МВ	MB							

%Recovery Qualifier Limits Prepared 27 - 110 10/11/20 07:35 10/13/20 01:34

Phenol-d5 (Surr) 31 20 - 110 10/11/20 07:35 10/13/20 01:34 Nitrobenzene-d5 (Surr) 60 36 - 120 10/11/20 07:35 10/13/20 01:34 61 34 - 110 10/11/20 07:35 10/13/20 01:34 2-Fluorobiphenyl

2,4,6-Tribromophenol (Surr) 99 40 - 145 10/11/20 07:35 10/13/20 01:34 Terphenyl-d14 93 40 - 145 10/11/20 07:35 10/13/20 01:34

52

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Analyzed

Page 19 of 32

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QC Sample Results

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-5659

Matrix: Water

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 565923

Analysis Batch: 566131	Spike	LCS L	cs		Prep Batch: 56592 %Rec.
Analyte	Added	Result C		D %Rec	Limits
Phenol	0.0320	0.0133	mg/L	42	33 - 100
Bis(2-chloroethyl)ether	0.0320	0.0201	mg/L	63	54 - 112
2-Chlorophenol	0.0320	0.0207	mg/L	65	59 - 110
2-Methylphenol	0.0320	0.0197	mg/L	61	53 - 115
2,2'-oxybis[1-chloropropane]	0.0320	0.0153	mg/L	48	38 - 140
Acetophenone	0.0320	0.0220	mg/L	69	55 - 118
N-Nitrosodi-n-propylamine	0.0320	0.0217	mg/L	68	47 - 131
Hexachloroethane	0.0320	0.0146	mg/L	46	20 - 100
Nitrobenzene	0.0320	0.0206	mg/L	64	54 - 121
Isophorone	0.0320	0.0239	mg/L	75	54 - 127
2-Nitrophenol	0.0320	0.0245	mg/L	77	59 - 115
2,4-Dimethylphenol	0.0320	0.0216	mg/L	68	51 - 115
Bis(2-chloroethoxy)methane	0.0320	0.0227	mg/L	71	59 - 118
2,4-Dichlorophenol	0.0320	0.0244	mg/L	76	58 - 120
Naphthalene	0.0320	0.0167	mg/L	52	36 - 110
4-Chloroaniline	0.0320	0.0249	mg/L	78	35 - 128
Hexachlorobutadiene	0.0320	0.0158	mg/L	49	20 - 100
Caprolactam	0.0320	0.0172	mg/L	54	32 - 100
4-Chloro-3-methylphenol	0.0320	0.0256	mg/L	80	64 - 128
2-Methylnaphthalene	0.0320	0.0174	mg/L	54	34 - 110
Hexachlorocyclopentadiene	0.0320	0.0153 J	mg/L	48	10 - 105
2,4,6-Trichlorophenol	0.0320	0.0264	mg/L	82	62 - 121
2,4,5-Trichlorophenol	0.0320	0.0277	mg/L	86	63 - 124
1,1'-Biphenyl	0.0320	0.0186	mg/L	58	40 - 110
2-Chloronaphthalene	0.0320	0.0177	mg/L	55	39 - 110
2-Nitroaniline	0.0320	0.0247	mg/L	77	59 - 138
Dimethyl phthalate	0.0320	0.0288	mg/L	90	63 - 122
2,6-Dinitrotoluene	0.0320	0.0298	mg/L	93	63 - 129
Acenaphthylene	0.0320	0.0202	mg/L	63	47 ₋ 113
3-Nitroaniline	0.0320	0.0236	mg/L	74	47 - 113
Acenaphthene	0.0320	0.0201	mg/L	63	46 - 110
2,4-Dinitrophenol	0.0640	0.0545	mg/L	85	37 - 130
4-Nitrophenol	0.0640	0.0348	mg/L	51	20 - 110
Dibenzofuran	0.0320	0.0320	mg/L	66	51 - 110
2,4-Dinitrotoluene	0.0320	0.0212	mg/L	99	63 - 129
Diethyl phthalate	0.0320	0.0298	mg/L	93	62 - 123
Fluorene	0.0320	0.0233	mg/L	73	53 - 120
4-Chlorophenyl phenyl ether	0.0320	0.0233	mg/L	73 70	48 - 116
4-Nitroaniline	0.0320	0.0224	mg/L	70	35 - 110
4,6-Dinitro-2-methylphenol	0.0640	0.0220	mg/L	91	50 - 129
N-Nitrosodiphenylamine	0.0320	0.0247	mg/L	77	66 - 120
4-Bromophenyl phenyl ether	0.0320	0.0235	mg/L	73	58 - 120
Hexachlorobenzene	0.0320	0.0252	mg/L	79	61 - 126
Atrazine	0.0320	0.0347	mg/L	108	50 - 120
Pentachlorophenol	0.0640	0.0553	mg/L	86	42 - 148
Phenanthrene	0.0320	0.0251	mg/L	78	65 - 120
Anthracene	0.0320	0.0261	mg/L	82	67 - 118
Carbazole	0.0320	0.0277	mg/L	87	61 - 145

Eurofins TestAmerica, Chicago

Page 20 of 32

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14

Spike

Job ID: 500-189063-1

LCS LCS

Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-565923/2-A

Matrix: Water

Analysis Batch: 566131

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

ieb	Type. Totalita
Prep	Batch: 565923
∕₀Rec.	

Analyte	Added	Result Qualifie	er Unit	D %Rec	Limits	
Di-n-butyl phthalate	0.0320	0.0307	mg/L	96	69 - 129	
Fluoranthene	0.0320	0.0312	mg/L	98	68 - 126	
Pyrene	0.0320	0.0275	mg/L	86	70 - 126	
Butyl benzyl phthalate	0.0320	0.0315	mg/L	98	68 - 135	
3,3'-Dichlorobenzidine	0.0320	0.0225	mg/L	70	60 - 132	
Benzo[a]anthracene	0.0320	0.0303	mg/L	95	70 - 126	
Chrysene	0.0320	0.0304	mg/L	95	68 - 129	
Bis(2-ethylhexyl) phthalate	0.0320	0.0316	mg/L	99	69 - 136	
Di-n-octyl phthalate	0.0320	0.0376	mg/L	117	68 - 137	
Benzo[b]fluoranthene	0.0320	0.0355	mg/L	111	69 - 136	
Benzo[k]fluoranthene	0.0320	0.0348	mg/L	109	70 - 133	
Benzo[a]pyrene	0.0320	0.0305	mg/L	95	70 - 135	
Indeno[1,2,3-cd]pyrene	0.0320	0.0348	mg/L	109	65 - 133	
Dibenz(a,h)anthracene	0.0320	0.0350	mg/L	109	70 - 134	
Benzo[g,h,i]perylene	0.0320	0.0328	mg/L	103	70 - 135	
3 & 4 Methylphenol	0.0320	0.0211	mg/L	66	50 - 116	

LCS LCS

	_00		
Surrogate	%Recovery	Qualifier	Limits
2-Fluorophenol (Surr)	50		27 - 110
Phenol-d5 (Surr)	36		20 - 110
Nitrobenzene-d5 (Surr)	61		36 - 120
2-Fluorobiphenyl	61		34 - 110
2,4,6-Tribromophenol (Surr)	103		40 - 145
Terphenyl-d14	89		40 - 145

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-565773/1-A

Matrix: Water

Analysis Batch: 565874

Client Sample ID: Method Bla	nk
Prep Type: Total/	NA

Prep Batch: 565773

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.00040	U	0.00040	0.000067	mg/L		10/09/20 09:12	10/09/20 20:50	1
PCB-1221	0.00040	U	0.00040	0.00020	mg/L		10/09/20 09:12	10/09/20 20:50	1
PCB-1232	0.00040	U	0.00040	0.00020	mg/L		10/09/20 09:12	10/09/20 20:50	1
PCB-1242	0.00040	U	0.00040	0.00020	mg/L		10/09/20 09:12	10/09/20 20:50	1
PCB-1248	0.00040	U	0.00040	0.00020	mg/L		10/09/20 09:12	10/09/20 20:50	1
PCB-1254	0.00040	U	0.00040	0.00020	mg/L		10/09/20 09:12	10/09/20 20:50	1
PCB-1260	0.00040	U	0.00040	0.000070	mg/L		10/09/20 09:12	10/09/20 20:50	1
PCB-1262	0.00040	U	0.00040	0.00020	mg/L		10/09/20 09:12	10/09/20 20:50	1
PCB-1268	0.00040	U	0.00040	0.00020	mg/L		10/09/20 09:12	10/09/20 20:50	1

	IVID IVID	
Surrogate	%Recovery Qualifier	Limits
Tetrachloro-m-xylene	60	30 - 120
DCB Decachlorobiphenyl	52	30 - 140

Prepared	Analyzed	Dil Fac
10/09/20 09:12	10/09/20 20:50	1
10/09/20 09:12	10/09/20 20:50	1

Eurofins TestAmerica, Chicago

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Spike

Lab Sample ID: LCS 500-565773/4-A

Matrix: Water

Analyte

PCB-1016

PCB-1260

Analysis Batch: 565874

Project/Site: Nelson Knitting

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 565773

Prep I %Rec.

Added Result Qualifier Unit D %Rec Limits
0.00400 0.00331 mg/L 99 53 - 137

LCS LCS

LCS LCS

Surrogate%RecoveryQualifierLimitsTetrachloro-m-xylene6230 - 120DCB Decachlorobiphenyl4430 - 140

Lab Sample ID: LCSD 500-565773/5-A Client Sample ID: Lab Control Sample Dup

Matrix: Water

Analysis Batch: 565874

Prep Type: Total/NA

Prep Batch: 565773

LCSD LCSD **RPD** Spike %Rec. Analyte Added Result Qualifier %Rec Limits RPD Limit Unit PCB-1016 0.00400 0.00343 86 56 - 120 3 20 mg/L PCB-1260 0.00400 0.00405 mg/L 101 53 - 1372 20

LCSD LCSD

MB MB

0.20 U

0.0020 U

0.0050 U

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-566446/1-A Client Sample ID: Method Blank

Matrix: Water

Sodium

Thallium

Vanadium

Analysis Batch: 567498

Prep Type: Total/NA

Prep Batch: 566446

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.10	U	0.10	0.025	mg/L		10/14/20 08:12	10/19/20 14:59	1
Barium	0.0025	U	0.0025	0.00073	mg/L		10/14/20 08:12	10/19/20 14:59	1
Calcium	0.0550	J	0.20	0.044	mg/L		10/14/20 08:12	10/19/20 14:59	1
Chromium	0.0050	U	0.0050	0.0011	mg/L		10/14/20 08:12	10/19/20 14:59	1
Cobalt	0.0010	U	0.0010	0.00040	mg/L		10/14/20 08:12	10/19/20 14:59	1
Copper	0.000706	J	0.0020	0.00050	mg/L		10/14/20 08:12	10/19/20 14:59	1
Iron	0.10	U	0.10	0.047	mg/L		10/14/20 08:12	10/19/20 14:59	1
Lead	0.00050	U	0.00050	0.00019	mg/L		10/14/20 08:12	10/19/20 14:59	1
Magnesium	0.20	U	0.20	0.049	mg/L		10/14/20 08:12	10/19/20 14:59	1
Manganese	0.0025	U	0.0025	0.00079	mg/L		10/14/20 08:12	10/19/20 14:59	1
Nickel	0.0020	U	0.0020	0.00063	mg/L		10/14/20 08:12	10/19/20 14:59	1
Potassium	0.447	J	0.50	0.11	mg/L		10/14/20 08:12	10/19/20 14:59	1
Selenium	0.0025	U ^	0.0025	0.00098	mg/L		10/14/20 08:12	10/19/20 14:59	1
Silver	0.00050	U	0.00050	0.00012	mg/L		10/14/20 08:12	10/19/20 14:59	1

0.20

0.0020

0.0050

0.077 mg/L

0.00057 mg/L

0.0022 mg/L

10/23/2020

10/14/20 08:12 10/19/20 14:59

10/14/20 08:12 10/19/20 14:59

10/14/20 08:12 10/19/20 14:59

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 500-566446/1-A

Matrix: Water

Analysis Batch: 567501

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 566446

MB MB Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Analyte Antimony 0.0030 U 0.0030 0.0013 mg/L 10/14/20 08:12 10/19/20 16:47 Beryllium 0.0010 U 0.0010 0.00053 mg/L 10/14/20 08:12 10/19/20 16:47 Cadmium 0.00050 U 0.00050 10/14/20 08:12 10/19/20 16:47 0.00017 mg/L Zinc 0.020 U 0.020 0.0069 mg/L 10/14/20 08:12 10/19/20 16:47

Lab Sample ID: MB 500-566446/1-A

Matrix: Water

Analysis Batch: 567754

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 566446

MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Arsenic 0.000905 J 0.0010 0.00023 mg/L 10/14/20 08:12 10/20/20 17:12

Lab Sample ID: LCS 500-566446/2-A **Client Sample ID: Lab Control Sample Matrix: Water**

Analysis Batch: 567498

Prep Type: Total/NA

Prep Batch: 566446 %Rec. Limits

LCS LCS Spike Added Result Qualifier Unit %Rec Analyte 2.00 2.38 80 - 120 Aluminum mg/L 119 Barium 2.00 2.11 mg/L 105 80 - 120 Calcium 10.0 9.62 96 80 - 120 mg/L Chromium 0.200 0.186 mg/L 93 80 - 120 Cobalt 0.500 0.474 95 80 - 120 mg/L Copper 0.250 0.279 mg/L 111 80 - 120 Iron 1.00 1.01 101 80 - 120 mg/L Lead 0.100 0.103 mg/L 103 80 - 120 Magnesium 10.0 11.3 mg/L 113 80 - 1200.500 104 80 - 120 Manganese 0.520 mg/L 0.500 0.474 95 80 - 120 Nickel mg/L 10.0 11.3 113 Potassium mg/L 80 - 120 0.100 0.0950 ^ 95 80 - 120 Selenium mg/L 0.0500 0.0523 105 Silver mg/L 80 - 120 Sodium 10.0 11.3 mg/L 113 80 - 120 Thallium 0.100 0.104 mg/L 104 80 - 120Vanadium 0.500 0.478 mg/L 96 80 - 120

Lab Sample ID: LCS 500-566446/2-A

Matrix: Water

Analysis Batch: 567501

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 566446

	Бріке	LCS	LUS			%Rec.
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits
Antimony	0.500	0.521	mg/L		104	80 - 120
Beryllium	0.0500	0.0531	mg/L		106	80 - 120
Cadmium	0.0500	0.0571	mg/L		114	80 - 120
Zinc	0.500	0.564	mg/L		113	80 - 120

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10/23/2020

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-566446/2-A Client Sample ID: Lab Control Sample **Prep Type: Total/NA Matrix: Water** Analysis Batch: 567754 Prep Batch: 566446 Spike LCS LCS %Rec.

Result Qualifier Added Limits Analyte Unit D %Rec Arsenic 0.100 0.105 mg/L 105 80 - 120

Lab Sample ID: LCSD 500-566446/3-A

Matrix: Water

Analysis Batch: 567498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Draw Databy FCC44C

Prep Batch: 566446 Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Unit D %Rec Limits RPD Limit 20

Analyte Aluminum 2.00 2.07 mg/L 103 80 - 120 14 Barium 2.00 1.90 mg/L 95 80 - 120 10 20 Calcium 10.0 8.60 mg/L 86 80 - 120 11 20 Chromium 0.200 0.166 83 80 - 120 20 mg/L 11 Cobalt 0.500 0.421 mg/L 84 80 - 120 12 20 Copper 0.250 0.255 mg/L 102 80 - 120 9 20 1.00 89 80 - 120 20 Iron 0.891 mg/L 12 Lead 0.100 0.0926 mg/L 93 80 - 12011 20 Magnesium 10.0 10.1 mg/L 101 80 - 120 11 20 0.475 95 80 - 120 20 Manganese 0.500 mg/L 0.500 0.417 83 80 - 120 20 Nickel mg/L 13 Potassium 9.99 100 80 - 120 12 20 10.0 mg/L Selenium 0.0860 ^ 20 0.100 mg/L 86 80 - 120 10 Silver 0.0500 0.0486 mg/L 97 80 - 1207 20 Sodium 10.0 10.2 102 80 - 120 mg/L 10 20 Thallium 0.100 0.0942 mg/L 94 80 - 120 10 20 Vanadium 0.500 0.432 mg/L 80 - 120 20

Lab Sample ID: LCSD 500-566446/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA Analysis Batch: 567501 Prep Batch: 566446 LCSD LCSD **RPD** Spike %Rec.

Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit 0.500 0.438 88 80 - 120 20 Antimony mg/L 17 Beryllium 0.0500 0.0453 mg/L 91 80 - 120 16 20 Cadmium 0.0500 0.0474 mg/L 95 80 - 120 19 20 Zinc 0.500 0.475 mg/L 95 80 - 120 20

Lab Sample ID: LCSD 500-566446/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA Analysis Batch: 567754 **Prep Batch: 566446** Spike LCSD LCSD %Rec. **RPD** Added %Rec Result Qualifier Limits **RPD** Limit Analyte Unit D Arsenic 0.100 0.0964 96 80 - 120 9 20 mg/L

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-567230/12-A **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water Analysis Batch: 567494

Analysis Batch: 567494								Prep Batch:	567230
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000098	mg/L		10/19/20 09:10	10/20/20 08:03	1

Eurofins TestAmerica, Chicago

Page 24 of 32 10/23/2020

QC Sample Results

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 500-567230/25-A **Client Sample ID: Lab Control Sample**

Matrix: Water

Prep Type: Total/NA Analysis Batch: 567494 Prep Batch: 567230

Prep Type: Total/NA

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits 0.00200 Mercury 0.00168 mg/L 84 80 - 120

Method: 9040C - pH

Lab Sample ID: 500-189063-1 DU Client Sample ID: NS-SUMP-100820

Matrix: Water

Analysis Batch: 566213

RPD Sample Sample DU DU Result Qualifier Result Qualifier RPD Limit Unit D 7.4 HF SU 0.3 7.4 corrosivity by pH

Lab Chronicle

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Date Received: 10/08/20 16:47

Client Sample ID: NS-SUMP-100820 Lab Sample ID: 500-189063-1 Date Collected: 10/08/20 11:00

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B			566660	10/15/20 17:55	PMF	TAL CHI
Total/NA	Prep	3510C			565923	10/11/20 07:35	CMC	TAL CHI
Total/NA	Analysis	8270D		1	566131	10/13/20 02:30	SS	TAL CHI
Total/NA	Prep	3510C			565773	10/09/20 09:12	CLL	TAL CHI
Total/NA	Analysis	8082A		1	565874	10/10/20 04:05	SS	TAL CHI
Total/NA	Prep	3010A			566446	10/14/20 08:12	LMN	TAL CHI
Total/NA	Analysis	6020A		1	567501	10/19/20 16:57	FXG	TAL CHI
Total/NA	Prep	3010A			566446	10/14/20 08:12	LMN	TAL CHI
Total/NA	Analysis	6020A		1	567754	10/20/20 17:22	FXG	TAL CHI
Total/NA	Prep	3010A			566446	10/14/20 08:12	LMN	TAL CHI
Total/NA	Analysis	6020A		1	567498	10/19/20 15:09	FXG	TAL CHI
Total/NA	Prep	7470A			567230	10/19/20 09:10	MJG	TAL CHI
Total/NA	Analysis	7470A		1	567494	10/20/20 09:01	MJG	TAL CHI
Total/NA	Analysis	1010A		1	568068		MS	TAL CHI
					(Start)	10/22/20 12:50		
					(End)	10/22/20 14:11		
Total/NA	Analysis	9040C		1	566213	10/12/20 14:59	SMO	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client: Tetra Tech EM Inc. Job ID: 500-189063-1

Project/Site: Nelson Knitting

Laboratory: Eurofins TestAmerica, Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
1010A		Water	Flashpoint	
8082A	3510C	Water	PCB-1262	
8082A	3510C	Water	PCB-1268	
8260B		Water	Cyclohexane	
8260B		Water	Methyl acetate	
8260B		Water	Methylcyclohexane	
8270D	3510C	Water	1,1'-Biphenyl	
8270D	3510C	Water	Atrazine	
8270D	3510C	Water	Benzaldehyde	
8270D	3510C	Water	Caprolactam	
Indiana	Sta	ate	C-IL-02	06-29-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which

Analysis Method	Prep Method	Matrix	Analyte	
1010A		Water	Flashpoint	
6020A	3010A	Water	Aluminum	
6020A	3010A	Water	Antimony	
6020A	3010A	Water	Arsenic	
6020A	3010A	Water	Barium	
6020A	3010A	Water	Beryllium	
6020A	3010A	Water	Cadmium	
6020A	3010A	Water	Calcium	
6020A	3010A	Water	Chromium	
6020A	3010A	Water	Cobalt	
6020A	3010A	Water	Copper	
6020A	3010A	Water	Iron	
6020A	3010A	Water	Lead	
6020A	3010A	Water	Magnesium	
6020A	3010A	Water	Manganese	
6020A	3010A	Water	Nickel	
6020A	3010A	Water	Potassium	
6020A	3010A	Water	Selenium	
6020A	3010A	Water	Silver	
6020A	3010A	Water	Sodium	
6020A	3010A	Water	Thallium	
6020A	3010A	Water	Vanadium	
6020A	3010A	Water	Zinc	
7470A	7470A	Water	Mercury	
8082A	3510C	Water	PCB-1016	
8082A	3510C	Water	PCB-1221	
8082A	3510C	Water	PCB-1232	
8082A	3510C	Water	PCB-1242	
8082A	3510C	Water	PCB-1248	
8082A	3510C	Water	PCB-1254	
8082A	3510C	Water	PCB-1260	

Client: Tetra Tech EM Inc. Job ID: 500-189063-1 Project/Site: Nelson Knitting

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		Program	Identification Number	Expiration Date
Indiana		C-IL-02	06-29-21	
8082A	3510C	Water	PCB-1262	
8082A	3510C	Water	PCB-1268	
8260B		Water	1,1,1-Trichloroethane	
8260B		Water	1,1,2,2-Tetrachloroethane	
8260B		Water	1,1,2-Trichloro-1,2,2-trifluoro	ethane
8260B		Water	1,1,2-Trichloroethane	
8260B		Water	1,1-Dichloroethane	
8260B		Water	1,1-Dichloroethene	
8260B		Water	1,2,4-Trichlorobenzene	
8260B		Water	1,2-Dibromo-3-Chloropropar	ne
8260B		Water	1,2-Dibromoethane	
8260B		Water	1,2-Dichlorobenzene	
8260B		Water	1,2-Dichloroethane	
8260B		Water	1,2-Dichloropropane	
8260B		Water	1,3-Dichlorobenzene	
8260B		Water	1,4-Dichlorobenzene	
8260B		Water	2-Hexanone	
8260B		Water	Acetone	
8260B		Water	Benzene	
8260B		Water	Bromodichloromethane	
8260B		Water	Bromoform	
8260B		Water	Bromomethane	
8260B		Water	Carbon disulfide	
8260B		Water	Carbon tetrachloride	
8260B		Water	Chlorobenzene	
8260B		Water	Chloroethane	
8260B		Water	Chloroform	
8260B		Water	Chloromethane	
8260B		Water	cis-1,2-Dichloroethene	
8260B		Water	cis-1,3-Dichloropropene	
8260B		Water	• •	
8260B		Water	Cyclohexane Dibromochloromethane	
			Dichlorodifluoromethane	
8260B		Water		
8260B		Water	Ethylbenzene	
8260B		Water	Isopropylbenzene	
8260B		Water	Methyl Ethyl Katana	
8260B		Water	Methyl Ethyl Ketone	
8260B		Water	methyl isobutyl ketone	
8260B		Water	Methyl tert-butyl ether	
8260B		Water	Methylcyclohexane	
8260B		Water	Methylene Chloride	
8260B		Water	Styrene	
8260B		Water	Tetrachloroethene	
8260B		Water	Toluene	
8260B		Water	trans-1,2-Dichloroethene	
8260B		Water	trans-1,3-Dichloropropene	
8260B		Water	Trichloroethene	
8260B		Water	Trichlorofluoromethane	
8260B		Water	Vinyl chloride	

Client: Tetra Tech EM Inc. Job ID: 500-189063-1 Project/Site: Nelson Knitting

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		Program	Identification Number	Expiration Dat	
ndiana		State	C-IL-02	06-29-21	
8260B		Water	Xylenes, Total		
8270D	3510C	Water	1,1'-Biphenyl		
8270D	3510C	Water	2,2'-oxybis[1-chloropropane]		
8270D	3510C	Water	2,4,5-Trichlorophenol		
8270D	3510C	Water	2,4,6-Trichlorophenol		
8270D	3510C	Water	2,4-Dichlorophenol		
8270D	3510C	Water	2,4-Dimethylphenol		
8270D	3510C	Water	2,4-Dinitrophenol		
8270D	3510C	Water	2,4-Dinitrotoluene		
8270D	3510C	Water	2,6-Dinitrotoluene		
8270D	3510C	Water	2-Chloronaphthalene		
8270D	3510C	Water	2-Chlorophenol		
8270D	3510C	Water	2-Methylnaphthalene		
8270D	3510C	Water	2-Methylphenol		
8270D	3510C	Water	2-Nitroaniline		
8270D	3510C	Water	2-Nitrophenol		
8270D	3510C	Water	3 & 4 Methylphenol		
8270D	3510C	Water	3,3'-Dichlorobenzidine		
8270D	3510C	Water	3-Nitroaniline		
8270D	3510C	Water	4,6-Dinitro-2-methylphenol		
8270D	3510C	Water	4-Bromophenyl phenyl ether		
8270D	3510C				
8270D	3510C	Water	* *		
8270D	3510C	Water	4-Chlorophenyl phenyl ether		
8270D	3510C	Water	4-Nitroaniline		
8270D	3510C	Water	4-Nitrophenol		
8270D	3510C	Water	Acenaphthene		
8270D	3510C	Water	Acenaphthylene		
8270D	3510C	Water	Acetophenone		
8270D	3510C	Water	Anthracene		
8270D	3510C	Water	Atrazine		
8270D	3510C	Water	Benzaldehyde		
8270D	3510C	Water	Benzo[a]anthracene		
8270D 8270D	3510C	Water	Benzo[a]pyrene		
8270D	3510C	Water	Benzo[b]fluoranthene		
8270D	3510C	Water	Benzo[g,h,i]perylene		
8270D 8270D	3510C	Water	Benzo[k]fluoranthene		
8270D 8270D	3510C	Water	Bis(2-chloroethoxy)methane		
8270D 8270D	3510C	Water	Bis(2-chloroethyl)ether		
8270D 8270D	3510C	Water	` ,		
			Bis(2-ethylhexyl) phthalate		
8270D	3510C	Water	Butyl benzyl phthalate		
8270D	3510C	Water	Carbarala		
8270D	3510C	Water	Carbazole		
8270D	3510C	Water	Chrysene		
8270D	3510C	Water	Dibenz(a,h)anthracene		
8270D	3510C	Water	Dibenzofuran		
8270D	3510C	Water	Diethyl phthalate		
8270D	3510C	Water	Dimethyl phthalate		
8270D	3510C	Water	Di-n-butyl phthalate		

Eurofins TestAmerica, Chicago

Client: Tetra Tech EM Inc. Job ID: 500-189063-1 Project/Site: Nelson Knitting

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority		Program	Identification Number	Expiration Date
ndiana		State	C-IL-02	06-29-21
8270D	3510C	Water	Di-n-octyl phthalate	
8270D	3510C	Water	Fluoranthene	
8270D	3510C	Water	Fluorene	
8270D	3510C	Water	Hexachlorobenzene	
8270D	3510C	Water	Hexachlorobutadiene	
8270D	3510C	Water	Hexachlorocyclopentadiene	
8270D	3510C	Water	Hexachloroethane	
8270D	3510C	Water	Indeno[1,2,3-cd]pyrene	
8270D	3510C	Water	Isophorone	
8270D	3510C	Water	Naphthalene	
8270D	3510C	Water	Nitrobenzene	
8270D	3510C	Water	N-Nitrosodi-n-propylamine	
8270D	3510C	Water	N-Nitrosodiphenylamine	
8270D	3510C	Water	Pentachlorophenol	
8270D	3510C	Water	Phenanthrene	
8270D	3510C	Water	Phenol	
8270D	3510C	Water	Pyrene	
9040C		Water	corrosivity by pH	

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
1010A		Water	Flashpoint	
8082A	3510C	Water	PCB-1262	
8082A	3510C	Water	PCB-1268	
8260B		Water	Cyclohexane	
8260B		Water	Methyl acetate	
8260B		Water	Methylcyclohexane	
8270D	3510C	Water	1,1'-Biphenyl	
8270D	3510C	Water	Atrazine	
8270D	3510C	Water	Benzaldehyde	
8270D	3510C	Water	Caprolactam	

Chain of Custody Record

eurofins Environment Teating America

2417 Bond Street University Park, IL 60484

Phone: 708-534-5200 Fax: 708-534-5211																		
Client Information	Sampler:					m D			Carrie	r Trackır	g No(s):			COC No: 500-85900-388	321.2			
Client Contact: Andre Baker	Phone:					app@Eurofinset.com									Page: Page 2 of 2			
Company: Fetra Tech EM Inc.									An	alysi	s Red	quested					Job #: .5 00 -	189063
ddress: South Wacker Drive 37 Floor Ste. 3700	Due Date Request	ted:										L	•			T	Preservation Co	odes:
ity. Hicago	TAT Requested (d	TAT Requested (days):				S W					İ	E		Ė			A - HCL B - NaOH	M - Hexane N - None
ate, Zip: , 60606) S (My Daro							ĺ			E	H				C - Zn Acetate D - Nitric Acıd E - NaHSO4	O - AsNaO2 P - Na2O4S Q - Na2SO3
one:	PO#: 1168715/ETA-1	7									5	00-18	9063 C	20. l	-		F - MeOH G - Amchlor	R - Na2S2O3 S - H2SO4
nail: hdre.Baker@tetratech.com	WO #:				Or No							Lι	1	,	i		H - Ascorbic Acid I - Ice J - DI Water	T - TSP Dodecahydrate U - Acetone V - MCAA
oject Name.	Project #:				<u>۽ ڇا</u>			.								ainer	K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
elson Knitting	50018128 ssow#:		******				5	7,		7			Ì			1.	Other:	., .,
		Sample	Sample Type (C=comp,	Matrix (w=water. S=solid, O=waste/oil,	Field Filtered Sample (Yes or I	55.50	Pc8's	TAL MERIL	vocis	PH/Flash		T AMAZON II				Total Number of		
ample Identification	Sample Date	Time	G=grab) вт	Tissue, A=A		S	a	6	3	**		\sqcup	-,-			Ē	Special I	nstructions/Note:
			Preservation	Solid	Y	\			\dashv	-	+-	\vdash				P		
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US-Sump-10082s	10-8-70	rypy		Water	++	+	1		7	\dashv			_				1 BOTTIC	d pluster 13 voq
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Non-Hazard Flammable Skin Irritant	Poison B Unkno	own \square_F	Radiological			\square_{R}	eturn	To C	lient		\Box_{D}	isposa	al By La				ve For	Months
eliverable Requested: I, II, III, IV. Other (specify)					S	oecial	Instru	uction	s/QC	Requ	iremer							
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Custody Seals Intact: Custody Seal No.: Δ Yes Δ No	L				······	Coole	er Tem	nperatu	re(s) °	C and (Other Re	emarks:			//	4	ac .	.1
			Р	age 3	1 of 3	2						71	i en	} 	TAD	th	7	Ver: 01/16/20 10/23

Client: Tetra Tech EM Inc.

Job Number: 500-189063-1

Login Number: 189063

List Number: 1

Creator: Buckley, Paula M

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	11.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins TestAmerica, Chicago



Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago 2417 Bond Street University Park, IL 60484 Tel: (708)534-5200

Laboratory Job ID: 500-189383-1 Client Project/Site: Nelson Knitting

For:

Tetra Tech EM Inc. 1 South Wacker Drive 37 Floor Ste. 3700 Chicago, Illinois 60606

Attn: Andre Baker

Authorized for release by: 10/15/2020 5:02:51 PM

Jim Knapp, Project Manager II

(630)758-0262

Jim.Knapp@Eurofinset.com

·····LINKS ······

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Laboratory Job ID: 500-189383-1

Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting

Table of Contents

Cover Page	1
Table of Contents	2
Subcontract Data	3
Chain of Custody	6



Report for:

Jim Knapp TestAmerica-University Park, IL 2417 Bond St. University Park, IL 60466

Regarding: Project: Nelson Knitting RS; Nelson Knitting RS; 500-189383

EMĹ ID: 2500188

Approved by:

Approved Signatory Balu Krishnan

Service SOPs: Asbestos-airborne fiber count (NIOSH 7400) (EM-AS-S-1260)

AIHA-LAP, LLC accredited service, Lab ID #173067

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. Sample air volume is supplied by the client.

Dates of Analysis:

Asbestos-airborne fiber count (NIOSH 7400): 10-15-2020

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K's LabServe® reporting system includes automated fail-safes to ensure that all AIHA-LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

EMLab P&K, LLC

EMLab ID: 2500188, Page 1 of 3

Eurofins EMLab P&K

6301 NW 5th way, Suite#: 1410, Ft. Lauderdale, FL 33309

(866) 871-1984 Fax (954) 776-8485 www.emlab.com Client: TestAmerica-University Park, IL

C/O: Jim Knapp Date of Sampling: 10-08-2020 Date of Receipt: 10-12-2020 Re: Nelson Knitting RS; Nelson Knitting RS; 500-189383 Date of Report: 10-15-2020

ASBESTOS AND OTHER FIBERS BY PCM: NIOSH 7400 METHOD

Lab ID-Version‡	Volume (liters)	Fibers Detected	Fields Read	Fibers/mm ²	95% UCL*	Fibers per CC
I di NIG A A		W . F . W	Т. С			
Location: NS-AA 11912569-1	<u>x-001-20201008,</u> 2,216	< 5.5	F Commer 100	nts: < 7	< 0.001 (Sr = N/A)	< 0.001
11912309-1	2,210	< 3.3	100	<u> </u>	(51001 (51 1011)	< 0.001
Logotion, NS AA	002 20201009	East Assass Dain	ut UE Common	ata.		
11912570-1	2,620.95	East Access Poin 6	t HF Commer	7.64	0.004 (Sr = 0.45)	0.001
Location: NS-AA	N-003-20201008	Main Floor	Commer	nts:		
11912571-1	1,280.94	< 5.5	100	< 7	< 0.002 (Sr = N/A)	< 0.002
Location: NS-AA	_004_20201008	Racement Main I	Floor Commer	nte•		
HF	1-004-20201006,	Dasement Main	Tiooi Comme	115.		
11912572-1	1,404.25	< 5.5	100	< 7	< 0.002 (Sr = N/A)	< 0.002
Location: NS-AA	x-005-20201008	Boiler HF	Commer	nts:		
11912573-1	1,318.1	32	100	40.76	0.039 (Sr = 0.45)	0.012
	-					
Location: NS AA	006 20201008	Main Floor South	h HF Commer	ato:		
11912574-1	1,455.075	< 5.5	100	< 7	< 0.002 (Sr = N/A)	< 0.002
117125711	1,133.073	(0.0	100	. ,		(0.002
T NG A A	007 20201000	W . D	F 6			
11912575-1	x-007-20201008, 705.6	West Entrance L < 5.5	F Commer 100	nts: < 7	< 0.004 (Sr = N/A)	< 0.004
11912373-1	703.0	< 5.5	100	< 1	(0.00 i (bi = 10/1)	< 0.004
Location: NS-AA			Commer		40.004 (C: N/A)	0.004
11912576-1	676.36	< 5.5	100	< 7	< 0.004 (Sr = N/A)	< 0.004
Location: NS-AA	A-009-20201008,	Basement Main l	Floor Commer	nts:		
LF 11912577-1	601.87	< 5.5	100	< 7	< 0.004 (Sr = N/A)	< 0.004
11/12/11-1	001.07	\ 3.3	100	/		₹ 0.00+
	0.10 -0		_			
Location: NS-AA			Commer		0.052 (\$= 0.45)	0.016
11912578-1	598.5	19.5	100	24.84	0.053 (Sr = 0.45)	0.016

Interpretation is left to the company and/or persons who conducted the field work.

Field blanks, if submitted with the project, have been used to correct the data. Omission of 2 field blank samples should be considered a deviation from the NIOSH 7400 method.

Reporting limit is calculated using a minimum detection limit of 7 fibers/mm2.

EMLab P&K, LLC EMLab ID: 2500188, Page 2 of 3

10/15/2020

^{*} Upper 95% Confidence Limit for fibers/cc, calculated using a relative standard deviation value (intralaboratory Sr) mentioned above.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K

6301 NW 5th way, Suite#: 1410, Ft. Lauderdale, FL 33309

(866) 871-1984 Fax (954) 776-8485 www.emlab.com Client: TestAmerica-University Park, IL

Date of Sampling: 10-08-2020 Date of Receipt: 10-12-2020 C/O: Jim Knapp Re: Nelson Knitting RS; Nelson Knitting RS; 500-189383 Date of Report: 10-15-2020

ASBESTOS AND OTHER FIBERS BY PCM: NIOSH 7400 METHOD

Lab ID-Version‡	Volume (liters)	Fibers Detected	Fields Read	Fibers/mm ²	95% UCL*	Fibers per CC
Location: NS-AA	<u> 1-011-20201008,</u>	Main Floor Sout	h LF Commei	nts:		
11912579-1	724.275	< 5.5	100	< 7	< 0.004 (Sr = N/A)	< 0.004
			_			
Location: NS-AA	<u> </u>	Field Blank	Comme	nts:		
11912725-1	0	< 5.5	100	< 7	N/A (Sr = N/A)	N/A
		1			1	

Interpretation is left to the company and/or persons who conducted the field work.

Field blanks, if submitted with the project, have been used to correct the data. Omission of 2 field blank samples should be considered a deviation from the NIOSH 7400 method.

Reporting limit is calculated using a minimum detection limit of 7 fibers/mm2.

EMLab P&K, LLC EMLab ID: 2500188, Page 3 of 3

> Page 5 of 8 10/15/2020

^{*} Upper 95% Confidence Limit for fibers/cc, calculated using a relative standard deviation value (intralaboratory Sr) mentioned above.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



eurofins

CE

730 SE Maynard Road, Cary, NC 27511 Tel: 866-481-1412; Fax: 919-481-1442

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02500188	ECEI Lab I.D. Range:	ECEI Lab Code: 0	LAB USE ONLY:
		002500188	

COMPANY INFORMATION	PROJECT INFORMATION
ECEL CLIENT #:	Job Contact: Ande Baker
Company: Tetra Tech	Email / Tel: 630.379.3749
Address: 1 South Wacker Drive Suite 3700	Project Name: Nelson Knitting RS
Addition - Codin Francis - Const Const Const Const	Project ID#:
Email: Andre haker@tetratech.com	PO#:
Tel: 312.201.7700 Fax:	STATE SAMPLES COLLECTED IN: IL

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

			TUI	TURN AROUND TIME	DTIME		
ASBESTOS	METHOD	4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PCM AIR*	NIOSH 7400					×	
TEM AIR	EPA AHERA						
TOM AID	NIOSH 7402						
- CM DIT							
CITEZ	field consider						
REMARKS / SPECIAL INSTRUCTIONS: I	REMARKS / SPECIAL INSTRUCTIONS: IF above .05 F/cc please Email to confirm TEM analysis	onfirm TEM analy	Sis			Accept Samples	co
A CONTRACTOR OF THE PROPERTY O	_A Des solution (1) distribution of the state of the sta					Reject Samples	u,
Relinquished By:	Date/Time		Receiv	Received By:		Date/Time	
	1-1-5-1-3		The same		18/01	CETH 621/8/11	0

By submitting samples, you are agreeing to ECEI's Terms and Conditions. Samples will be disposed of 30 days after analysis

Page

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Version: CCOC.01.20.1/4.LD

Project Name: Nelson Knitting

Company: Tetra Tech

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COMPANY CONTACT INFORMATION

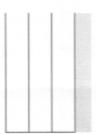
Email / Tel: 630.379.3749

Job Contact: Andre Baker

Project ID #:							Email /	Email / Tel. 000.079.0749	01.40
Sample I.D.	pump	area	Start Time	Stop Time	Total Min.	Pump Died?	Start Flow Rate (L/min)	Stop Flow Rate (L/min)	Corrected Flow Rate
NS-AA-001-20201008	Ac-003	West entrance HF	9:32:00 AM	12:12:00 PM	160.00		15.1	12.6	13.85
NS-AA-002-20201008	ac-009	East access point HF	9:35:00 AM	12:28:00 PM	173.00		15.5	14.8	15.15
NS-A A-003-20201008	ac-005	main floor HF	9:49:00 AM	12:17:00 PM	148.00		10	7.31	8.655
NS-AA-004-20201008	ac-002	Basement main floor HF	10:04:00 AM	12:21:00 PM	137.00		10.3	10.2	10.25
NS-AA-005-20201008	ac-007	boiler HF	10:03:00 AM	12:23:00 PM	140.00		10.1	8.73	9.415
NS-AA-006-20201008	ac-001	main floor south HF	9:54:00 AM	12:19:00 PM	145.00		10.1	9.97	10.035
NS-A A-007-20201008	psp-024	West entrance LF	9:32:00 AM	12:12:00 PM	160.00		5.04	3.78	4.41
NS-A A-008-20201008	psp-023	main floor LF	9:49:00 AM	12:17:00 PM	148.00		5	4.14	4.57
NS-AA-009-20201008	psp-025	Basement main floor LF	10:04:00 AM	12:23:00 PM	139.00		4.95	3.71	4.33
NS-AA-010-20201008	psp-022	boiler LF	10:03:00 AM	12:23:00 PM	140.00		4.96	3.59	4.275
NS-AA-011-20201008	psp-021	main floor south LF	9:54:00 AM	12:19:00 PM	145.00		4.95	5.04	4.995

ASBESTOS

724.275	598.5	601.87	676.36	705.6	1455.075	1318.1	1404.25	1280.94	2620.95	2216	(liters)	Volume	Total
1	0	9	9	4	0	J	7	S	^	-			



Version: CCOC.01.20.8/14/LB





Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago 2417 Bond Street University Park, IL 60484 Tel: (708)534-5200

Laboratory Job ID: 500-189474-1 Client Project/Site: Nelson Knitting

For:

Tetra Tech EM Inc. 1 South Wacker Drive 37 Floor Ste. 3700 Chicago, Illinois 60606

Attn: Andre Baker

Authorized for release by: 10/15/2020 5:05:14 PM

Jim Knapp, Project Manager II (630)758-0262

Jim.Knapp@Eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Laboratory Job ID: 500-189474-1

Client: Tetra Tech EM Inc. Project/Site: Nelson Knitting

Table of Contents

Cover Page	1
Table of Contents	
Subcontract Data	3
Chain of Custody	6



Report for:

Jim Knapp TestAmerica-University Park, IL 2417 Bond St. University Park, IL 60466

Regarding: Project: Nelson Knitting; Nelson Knitting; 500-189474

EMĹ ID: 2499991

Approved by:

Cluster Leader Dr. Kamash Pillai Dates of Analysis: Asbestos PLM: 10-14-2020

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267) NVLAP Lab Code 600194-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K

Lab ID-Version 1: 11911750-1

Lab ID-Version‡: 11911751-1

1815 West Diehl Road, Suite 800, Naperville, IL 60563 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: TestAmerica-University Park, IL

C/O: Jim Knapp Re: Nelson Knitting; Nelson Knitting; 500-189474

Date of Receipt: 10-12-2020 Date of Report: 10-15-2020

ASBESTOS PLM REPORT

Total Samples Submitted: 7

Total Samples Analyzed: 7

Total Samples with Layer Asbestos Content > 1%:

Location: NS-Bulk-001-20201008, Boiler room basement air cell

Sample Layers	Asbestos Content
White Wrap	70% Chrysotile
Sample Composite Homogeneity:	Moderate

Location: NS-Bulk-002-20201008, Boil room mag block

Sample Layers	Asbestos Content
White Boiler Insulation	50% Chrysotile
Sample Composite Homogeneity:	Moderate

Location: NS-Bulk-003-20201008, Basement air cell pile

Location: NS-Bulk-003-20201008, Basement air cell pile	Lab ID-Version‡: 11911752-1
Sample Layers	Asbestos Content
Off-White Wrap	60% Chrysotile
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: NS-Bulk-004-20201008, Poured roofing material

Location: NS-Bulk-004-20201008, Poured roofing mater	rial Lab ID-Version‡: 11911753-1
Sample Layers	Asbestos Content
Tan Roofing Material	ND
Sample Composite Homogeneity:	Moderate

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K, LLC EMLab ID: 2499991, Page 2 of 3

Eurofins EMLab P&K

Lab ID-Version †: 11911755-1

Lab ID-Version : 11911756-1

1815 West Diehl Road, Suite 800, Naperville, IL 60563 (866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: TestAmerica-University Park, IL

C/O: Jim Knapp

Date of Receipt: 10-12-2020 Re: Nelson Knitting; Nelson Knitting; 500-189474 Date of Report: 10-15-2020

ASBESTOS PLM REPORT

Location: NS-Bulk-005-20201008, Plaster stairwell	Lab ID-Version‡: 11911754-1
Sample Layers	Asbestos Content
Light Gray Plaster	ND
Sample Composite Homogeneity:	Moderate

Location: NS-Rulk-006-20201008, Black vapor barrier

Location: 145 Bain 000 20201000, Black vapor barrier	
Sample Layers	Asbestos Content
Black Vapor Barrier	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Moderate

Location: NS-Bulk-007-20201008, Fire brick basement

Sample Layers	Asbestos Content		
Yellow Brick	ND		
Sample Composite Homogeneity: Moderate			

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K, LLC EMLab ID: 2499991, Page 3 of 3

> Page 5 of 7 10/15/2020



CHAIN OF CUSTODY

CE

730 SE Maynard Road, Cary, NC 27511 Tel: 866-461-1412; Fax: 919-481-1442

Samples will be disposed of 30 days after analysis

COMPANY INFORMATION

ABJUSE ONLY
ECELLab Goder
ECELLABILD Range

ECEIGLIENT#	CEICLIENT#		Job Contact: Andre Baker					
Company: Tetra Tech		Email / Tel: 630.379.3749						
Address: 1 South Wacker Drive Suite 3700		Project Name: Nelson Knitting						
		-	Project ID#:					
Email: Andre.Baker@tetratech.c	com		PO#:					
Tel:	Fax:		STATE SAN	IPLES COL	LECT	ED IN IL		
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PLM POINT COUNT (1900)	EPA 600/R-93/116							<u> </u>
PLM GRAV & POINT COUNT	EPA 600/R-93/416							
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TEMAIR	ASTM 6281-15							
TEM BULK	CHATFIELD / EPA 600/R- 93/116 Sec. 2.5.5.1					· 🗔		∃.
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TEM DUST MICROVAC	ASTM 06755-09 (2814)							<u></u>
TEM SOIL	ASTM D7521-16							
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By submitting samples, you ar	re agreeing to ECEI's Te	rms and C	ohditions.	· · · · · · ·				

Version: CCOC.01.20.1/2.LD 10/15/2020

Page _1___of ___2



SAMPLING FORM

CE

COMPANY CONTACT INFORMATION					
Company: Tetra Tech	Job Contact: Cordell Renner / Andre Baker				
Project Name: Ortek Removal Site					
Project ID #:	Tel:				

		VOLUME/			7.5
SAMPLE ID#	DESCRIPTION / LOCATION	AREA			TEST
NS-Bulk-001-20201008	Boller room Basement Air cell		PLM	Х	TEM 🗀
NS-Bulk-002-20201008	Boiler room mag block		PLM	×	TEM
NS-Bulk-003-20201008	Basement air cell pile		PLM	Х	TEM
NS-Bulk-004-20201008	poured roofing material	''''	PLM	X	TEM
NS-Bulk-005-20201008	plaster stairwell		PLM	х	TEM .
NS-Bulk-006-20201008	Black vapor barrier		PLM	X	TEM [
NS-Bulk-007-20201008	Fire Brick Basement		PLM	х	TEM
			PLM	х	TEM
			PLM	Х	TEM

Page	_2_of	2
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